

SITE DEVELOPMENT PLAN

CSX AUTO DISTRIBUTION CENTER AT JESSUP

HOWARD COUNTY, MARYLAND

SHEET INDEX

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GENERAL NOTES

All work shall be performed in accordance with the Howard County Design Manual, Volume IV, i.e., Standard Specifications and Details for Construction.

Approximate location of existing utilities are shown. From best available information, the Contractor shall take all necessary precautions to protect the existing utilities and maintain uninterrupted service. Any damage incurred due to Contractor's operation shall be repaired immediately at the Contractor's expense.

The Contractor shall test pit existing utilities at least five (5) days before starting work shown on these drawings to verify their location and elevation. The Contractor shall notify the Engineer immediately if location of utilities is other than shown.

Contractor to notify Miss Utility (301) 559-0100 and Maryland Department of General Services, Office of Engineering and Construction (Mr. Kuchta) (301) 225-4444, at least five days before starting work shown on these drawings:

All inlets shall be constructed in accordance with Howard County Standards.

All pipe elevations shown are invert elevations.

The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.

No pipe shall be laid until lines of excavation have been brought to subgrade.

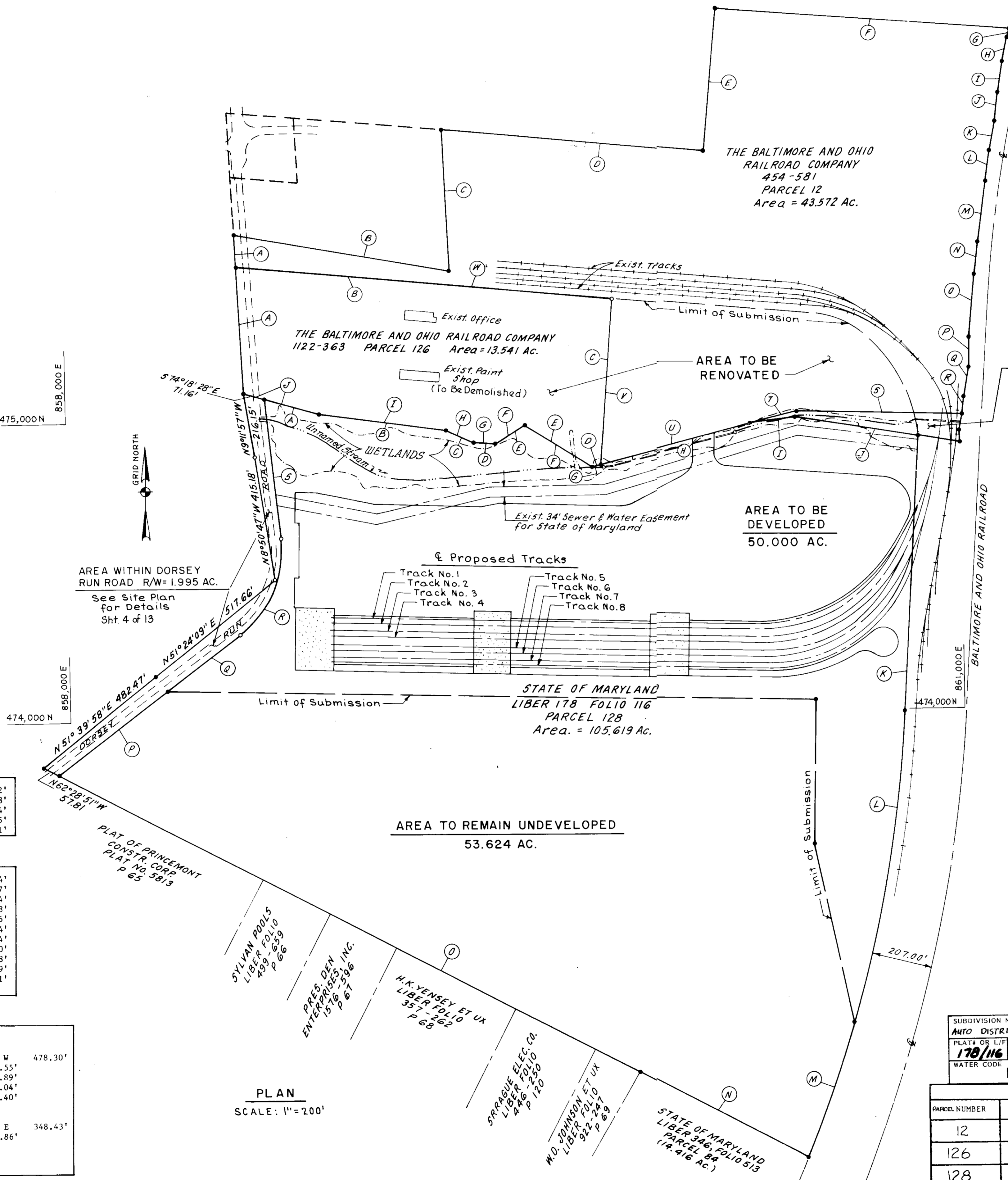
All storm drain pipe bedding shall be as shown in Detail G2.01 (Trench in Earth) in Vol. IV of Howard County Design Manual unless otherwise directed by the Engineer or as shown on the drawings.

The Developer is responsible for the acquisition of all easements, rights and/or rights-of-way that may be required for the sediment and erosion control practices, storm water management practices and the discharge of storm water onto or across adjacent or downstream properties included in this plan. He is also responsible for the acquisition of all easements, rights and/or rights-of-way that may be required for grading and/or work on adjacent properties included in this plan.

PARCEL 126 DEED BEARINGS AND DISTANCES				
A	N 02°-51'-42" W	427.29'	F S 57°-33'-42" W	115.12'
B	S 85°-02'-54" E	1,253.61'	G N 86°-26'-28" W	74.78'
C	S 04°-33'-20" W	558.89'	H N 65°-43'-44" W	100.24'
D	S 75°-36'-12" W	26.36'	I N 82°-27'-25" W	428.95'
E	N 58°-11'-27" W	267.71'	J N 75°-15'-40" W	250.01'

PARCEL 12 DEED BEARINGS AND DISTANCES				
A	N 02°-51'-42" W	107.16'	M S 07°-33'-20" W	203.94'
B	S 80°-12'-00" E	718.56'	N N 06°-03'-20" W	101.97'
C	N 02°-51'-42" W	475.00'	O S 05°-03'-20" W	204.44'
D	S 85°-02'-54" E	888.46'	P S 01°-33'-20" W	100.08'
E	N 04°-57'-06" E	487.71'	Q S 09°-18'-20" W	102.96'
F	S 85°-44'-28" E	991.50'	R S 04°-48'-20" W	53.64'
G	S 14°-18'-20" W	32.50'	S N 88°-38'-42" W	561.14'
H	S 11°-33'-20" W	88.94'	T S 75°-21'-18" W	161.70'
I	S 08°-33'-20" W	108.90'	U S 75°-36'-12" W	548.88'
J	S 06°-33'-20" W	102.47'	V N 04°-33'-20" E	558.89'
K	S 10°-33'-20" W	100.98'	W N 85°-02'-54" W	1,253.61'
L	S 08°-33'-20" W	101.97'		

PARCEL 128 SURVEY BEARINGS AND DISTANCES					
A	S 74°-18'-28" E	130.67'	M Arc =	478.51'	
B	S 82°-22'-42" E	428.82'	Radius =	4,704.15'	
C	S 65°-37'-18" E	100.33'	Chord =	S 19°-11'-50" W	478.30'
D	S 86°-19'-51" E	74.79'	N N 62°-28'-51" W	638.55'	
E	N 57°-40'-18" E	115.12'	O N 62°-28'-51" W	2,184.89'	
F	S 57°-59'-32" E	667.91'	P N 52°-46'-06" E	461.04'	
G	N 75°-40'-19" E	26.36'	Q N 52°-46'-06" E	309.40'	
H	N 75°-40'-19" E	522.52'	R Arc =	364.22'	
I	N 82°-56'-37" E	154.18'	Radius =	354.69'	
J	S 80°-54'-08" E	420.52'	Chord =	N 23°-21'-04" E	348.43'
K	S 03°-31'-40" W	923.41'	S N 06°-03'-58" W	469.86'	
L	Arc =	1,056.01'			
	Radius =	4,704.15'			
	Chord =	S 09°-57'-07" W		1,053.79'	



WAIVER of Howard County Subdivision and Land Development Regulation:
 File No. WD-90-25
 Section 16.116 (c) (6)
 Section 16.116 (a) (1)
 Approved: Howard County, Department of Planning and Zoning December 12, 1989

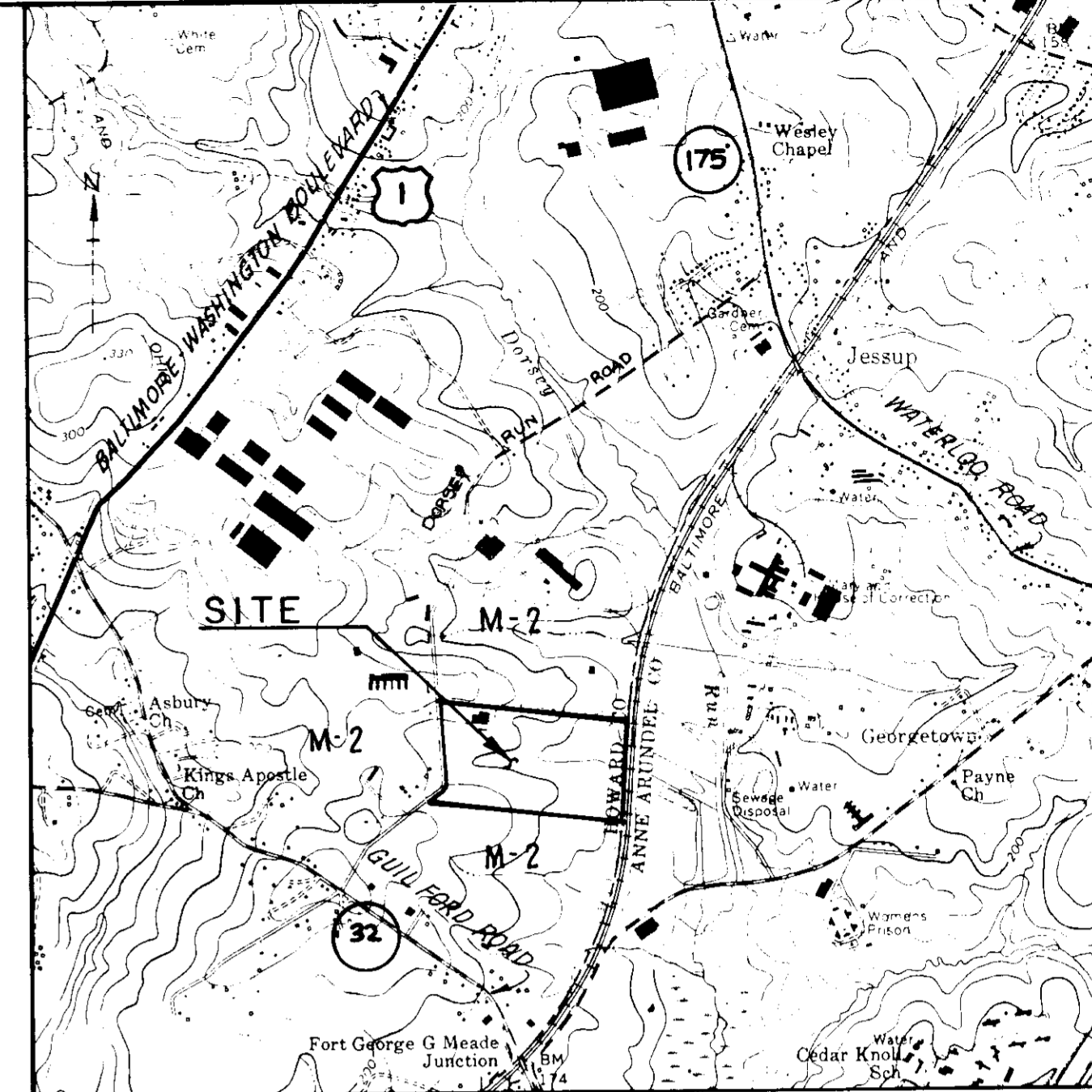
QUITCLAIM DEED 454/583 THE BALTIMORE AND OHIO RAILROAD COMPANY NO PARCEL NUMBER AREA = 0.8067 AC.	
DEED BEARINGS AND DISTANCES	
N 75°-21'-18" E	161.70'
S 88°-38'-42" E	561.14'
S 04°-48'-20" W	50.31'
S 01°-48'-20" W	46.85'
N 81°-01'-47" W	565.36'
S 83°-00'-13" W	154.37'

SITE ANALYSIS				
	PARCEL 128	PARCEL 126	PARCEL 12	DEED 454/583
ZONING	M-2	M-2	M-2	M-2
TOTAL AREA	105.619 Ac.	13.541 Ac.	43.572 Ac.	0.807 Ac.
PREDEVELOPMENT CONDITION				
PAVED AREA	-	11.219 Ac.	29.732 Ac.	0.125 Ac.
TRACK AREA	-	82.85%	68.24%	15.49%
GREEN AREA	103.624 Ac.	1.986 Ac.	8.739 Ac.	0.630 Ac.
DORSEY RUN ROAD	98.11%	14.67%	20.06%	78.07%
DORSEY RUN ROAD RIGHT-OF-WAY	1.89%	2.48%	0.071 Ac.	-
POST-DEVELOPMENT CONDITION				
PAVED AREA	22.419 Ac.	12.182 Ac.	28.456 Ac.	-
TRACK AREA	7.038 Ac.	89.96%	5.030 Ac.	0.052 Ac.
GREEN AREA	6.66%	-	11.54%	6.44%
DORSEY RUN ROAD	74.16%	1.023 Ac.	10.015 Ac.	0.755 Ac.
DORSEY RUN ROAD RIGHT-OF-WAY	1.995 Ac.	0.336 Ac.	0.071 Ac.	-
	1.89%	2.48%	0.16%	-
TOTAL OF ALL PARCELS				
TOTAL AREA	163.539 Ac.		163.539 Ac.	
PAVED AREA	41.076 Ac.		63.317 Ac.	
TRACK AREA	25.12%		38.72%	
GREEN AREA	5.082 Ac.		12.120 Ac.	
DORSEY RUN ROAD	74.16%		7.41%	
DORSEY RUN ROAD RIGHT-OF-WAY	114.979 Ac.		85.700 Ac.	
	70.30%		52.40%	
	2.402 Ac.		2.402 Ac.	
	1.47%		1.47%	

TOTAL OF ALL PARCELS	
	PREDEVELOPMENT
TOTAL AREA	163.539 Ac.
PAVED AREA	41.076 Ac.
TRACK AREA	25.12%
GREEN AREA	5.082 Ac.
DORSEY RUN ROAD	74.16%
DORSEY RUN ROAD RIGHT-OF-WAY	114.979 Ac.

NOTE: ALL PROPOSED PARKING IS FOR STORAGE OF UNLICENSED VEHICLES ONLY. EMPLOYEE PARKING IS EXISTING ON OTHER PARCELS.

PARCEL NUMBER	STREET ADDRESS
12	8455 DORSEY RUN ROAD
126	8459 DORSEY RUN ROAD
128	8545 DORSEY RUN ROAD



OWNERS CERTIFICATION:
 State of Maryland, to the use of Department of Public Safety, Office of Correctional Services.
 Signature of Owner: John J. O'Neil Date: 3/16/89
 Signature of Firm: Thomas M. Templeton Date: 3/16/89
 Address: Baltimore, Md 21215 Telephone No.: (301) 764-4078

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
Joseph B. ... 1-4-89
 County Health Officer # Date

APPROVED: Howard County Department of Planning & Zoning
... 1-8-90
 Director Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works
... 1-29-89
 Director Date

6-21-89 1 As per Howard Co Comments of 4-12-89
 10-13-89 2 As per Howard Co Comments of 9-26-89

DATE NO. REVISION
 DEVELOPER: CSX TRANSPORTATION
 100 NORTH CHARLES STREET
 BALTIMORE, MD 21201

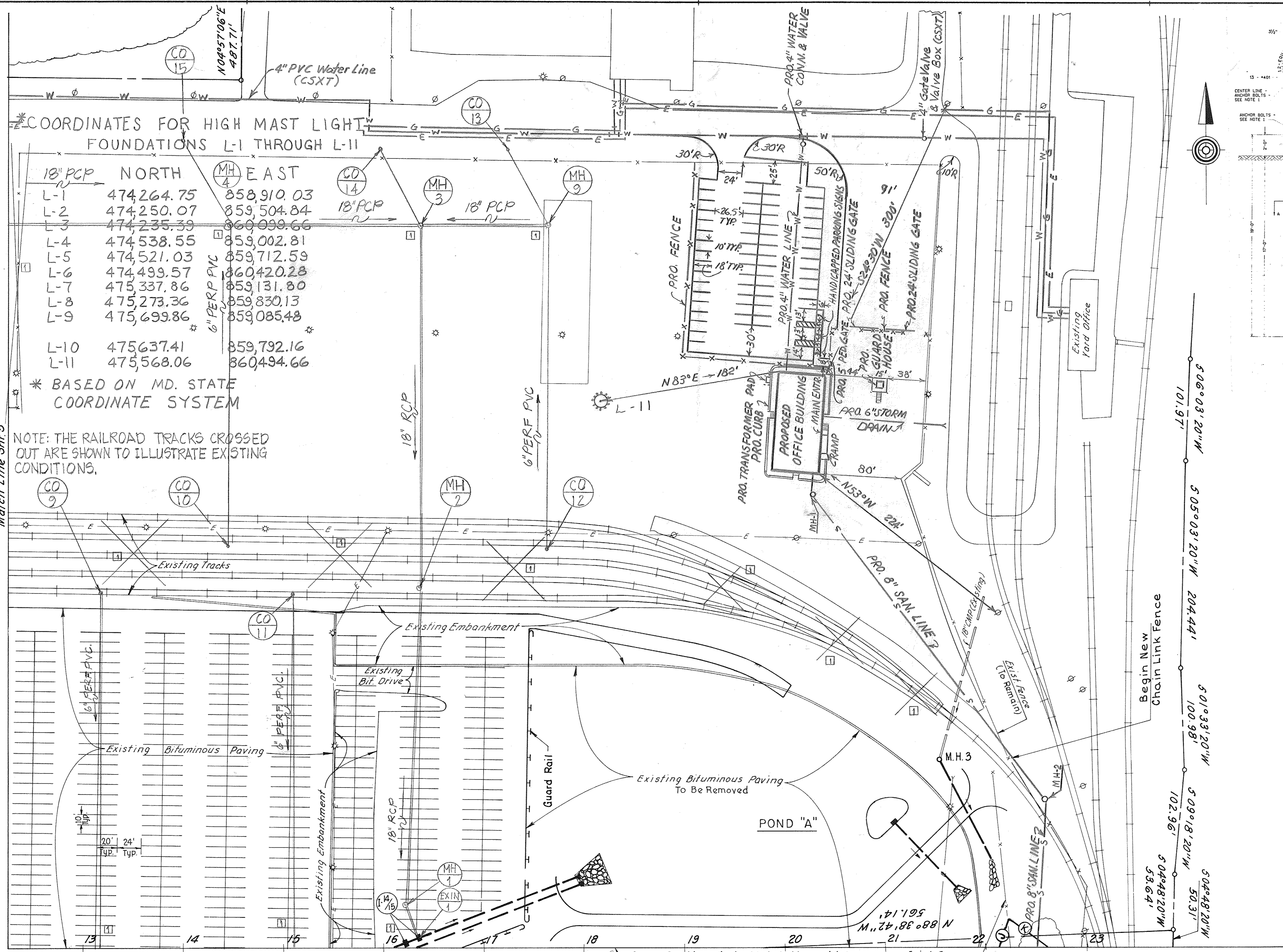
CSX AUTO DISTRIBUTION CENTER
 AT JESSUP
 TAX MAP 48 PARCELS 128, 126 & 12
 6TH ELECTION DISTRICT ZONE M-2
 HOWARD COUNTY, MARYLAND

TITLE: TITLE SHEET

PRE FINAL REVISION 10-24-89 YC
 FINAL REVISION 12-14-89 YC

benatec associate
 ENGINEERING ARCHITECTURE TECHNOLOGY
 101 Erford Road, Camp Hill, PA 17011-8866

DESIGNED BY: LRM
 DRAWN BY: WG
 PROJECT NO. 82910
 DATE: MARCH 3, 1989
 SCALE: AS SHOWN
 DRAWING NO. 1 OF 15



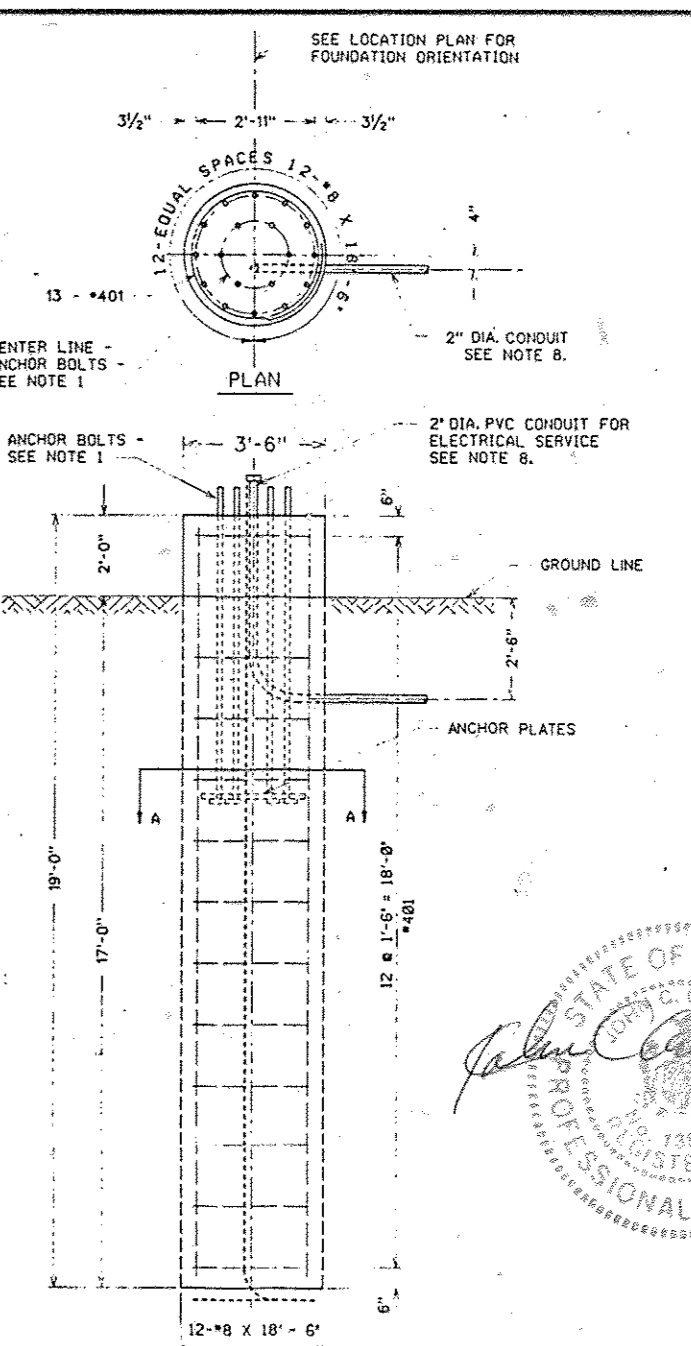
COORDINATES FOR HIGH MAST LIGHT FOUNDATIONS L-1 THROUGH L-11

	18" PCP NORTH	18" PCP EAST
L-1	474,264.75	858,910.03
L-2	474,250.07	859,504.84
L-3	474,235.39	860,099.66
L-4	474,538.55	859,002.81
L-5	474,521.03	859,712.59
L-6	474,499.57	860,420.28
L-7	475,337.86	859,131.80
L-8	475,273.36	859,830.13
L-9	475,699.86	859,085.48
L-10	475,637.41	859,792.16
L-11	475,568.06	860,494.66

* BASED ON MD. STATE COORDINATE SYSTEM

NOTE: THE RAILROAD TRACKS CROSSED OUT ARE SHOWN TO ILLUSTRATE EXISTING CONDITIONS.

Match Line Sht. 5



APPROVED
DIVISION OF
COMMUNITY PLANNING
& LAND DEVELOPMENT
HOWARD COUNTY,
MARYLAND

OWNER - PARCEL 128:
STATE OF MARYLAND
DEPARTMENT OF PUBLIC SAFETY
AND CORRECTIONAL SERVICES
SUITE 310
6776 REISTERSTOWN RD.
BALTIMORE, MD 21215

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department

Joseph Bogdan 1-4-90
County Health Officer Date

APPROVED: Howard County Department of Planning & Zoning
Ulrich 1-8-90
Director Date

Frank S. Campbell 1/8/90
Chief, Division of Community Planning and Land Development Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works

James J. Lee 12/29/89
Director Date

James J. Lee 12-29-89
Chief Bureau of Engineering Date

6-21-89 1 As per Howard Co. Comments of 4-12-89

7-31-90 2 REVISIONS SHOWING HIGH MAST LIGHT FOUNDATIONS

11-7-90 3 Show Building Addition, Parking Lot Addition, and Construction Sewer & Water House Connection & Other Utilities.

DEVELOPER:
CSX TRANSPORTATION
100 NORTH CHARLES STREET
BALTIMORE, MD 21201

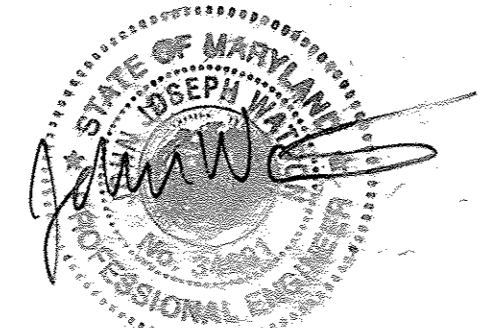
CSX AUTO DISTRIBUTION CENTER
AT JESSUP

TAX MAP 48 PARCEL 128, 126 & 12
6TH ELECTION DISTRICT ZONE M-2
HOWARD COUNTY, MARYLAND

TITLE: **SITE PLAN**

NOTE: See Sheet No. 5 of 13 for Handicapped Parking Sign Specification; Profile of Proposed Guard House; & Profile of Proposed Office Building. See Sheet No. 6 of 13 for Elevations & Grades.

ENGINEER CERTIFICATION
I HEREBY CERTIFY THAT THE REVISIONS SHOWN AS REVISION 1 SHOWN ON THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
John Watson
JOHN WATSON, MD P.E. NO. 34691
DATE: 9-19-17



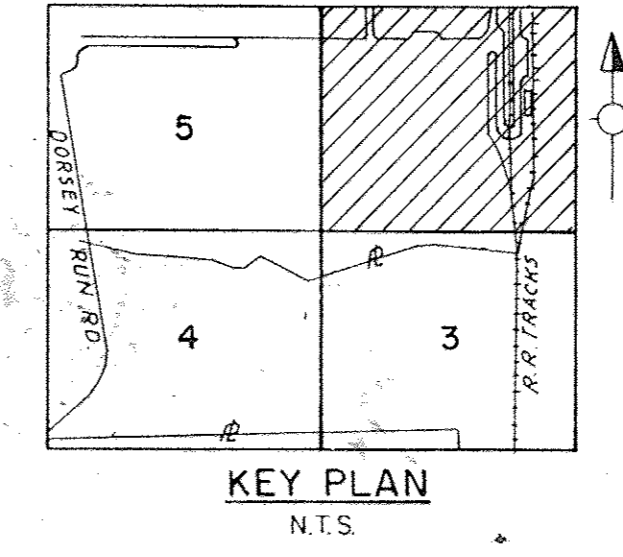
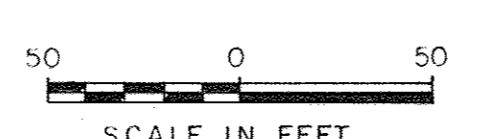
ELECTRICAL SYMBOL LEGEND

100 FT. HIGH MAST LIGHTING SYSTEM CONSISTING OF THE FOLLOWING COMPONENTS: 100 FT. GALVANIZED STEEL POLE, 12 EACH 1000W. HMST TYPE H.P.S. FIXTURES WITH LONG AND NARROW DISTRIBUTION, 480V. LD15 LOWERING SYSTEM, 4 CONDUCTOR POWER CORD, STAINLESS STEEL AIRCRAFT CABLE, AND SPECIAL HIGH VOLTAGE WARNING LABELS, HOLOPHANE CAT. NO. HMS-100-H4460-GALV-12-LD15-4-HMST10HP48L1-SS-SPEC HIGH VOLTAGE WARNING LABELS. EACH POLE SHALL HAVE A 30A, 3-POLE, 480V. CIRCUIT BREAKER MOUNTED INSIDE ITS BASE.

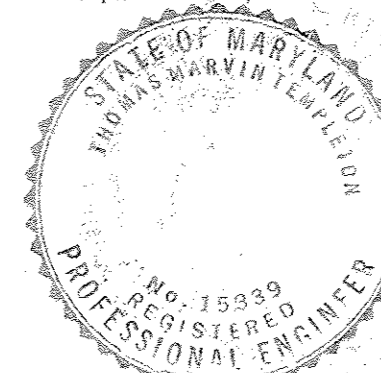
100 FT. HIGH MAST LIGHTING SYSTEM CONSISTING OF THE FOLLOWING COMPONENTS: 100 FT. GALVANIZED STEEL POLE, 4 EACH 1000W. HMST TYPE H.P.S. FIXTURES WITH SYMMETRICAL DISTRIBUTION, 480V. SPECIAL WIRED FOR 8 FIXTURES, LD-15 LOWERING SYSTEM, 4 CONDUCTOR POWER CORD, STAINLESS STEEL AIRCRAFT CABLE, SPECIAL HIGH VOLTAGE WARNING LABELS, HOLOPHANE CAT. NO. HMS-100-H4460-GALV-4-LD15-4-HMST10HP48S1-SS-SPEC HIGH VOLTAGE WARNING LABELS. EACH POLE SHALL HAVE A 30A, 3-POLE, 480V. CIRCUIT BREAKER MOUNTED INSIDE ITS BASE.

*** COORDINATES FOR PROPOSED OFFICE BUILDING & GUARD HOUSE**

	NORTH	EAST
N.W. Corner (OFFICE)	475,590.24	860,675.30
S.E. Corner (OFFICE)	475,452.92	860,679.19
N.E. Corner (OFFICE)	475,544.23	860,701.82
N.W. Corner (GUARD)	475,540.78	860,745.68
N.E. Corner (GUARD)	475,539.60	860,760.63



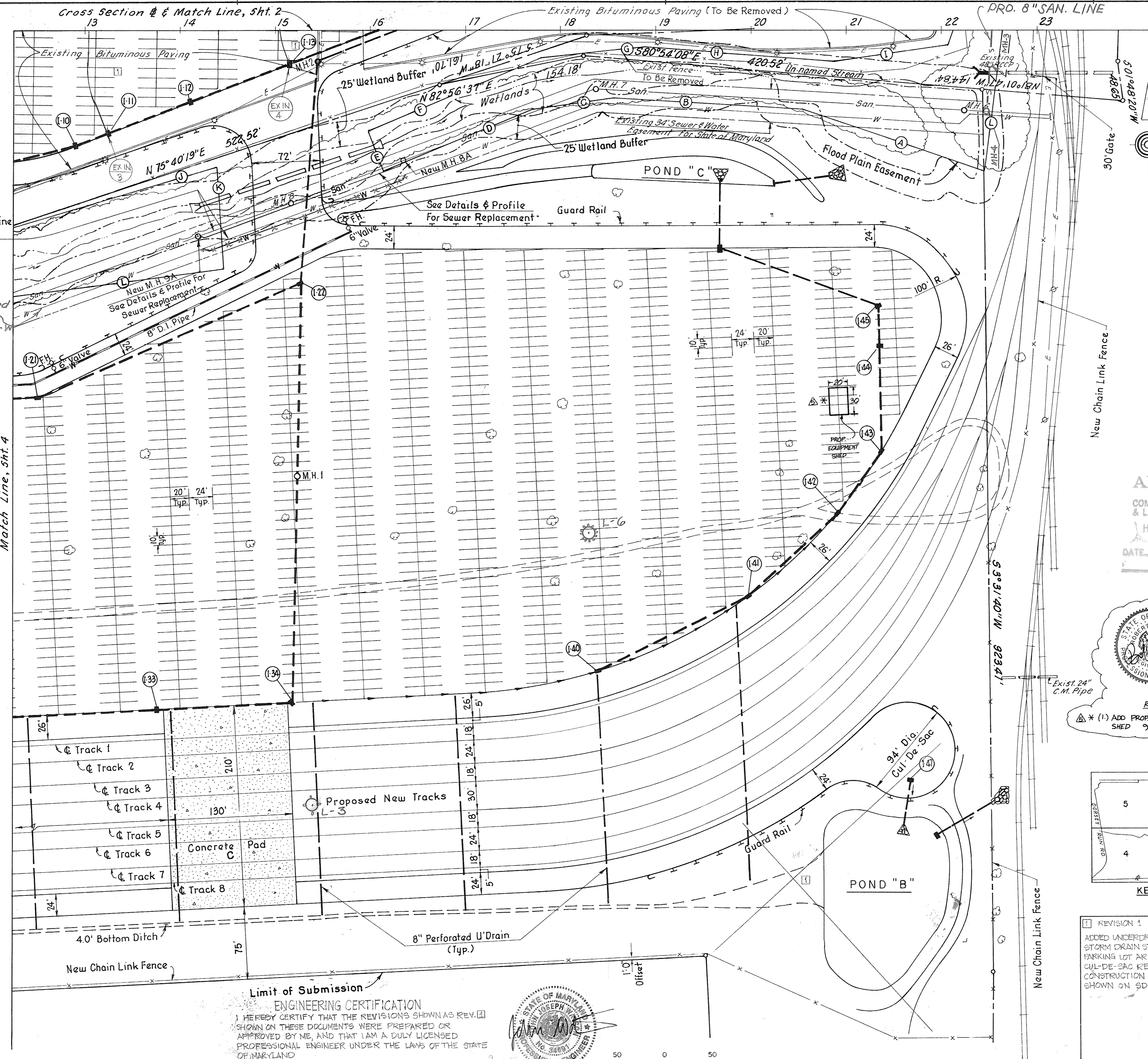
REVISION 1 9/10/2017
RAILROAD PREVIOUSLY REMOVED FROM NORTHERN LOT ADDED UNDERDRAIN SYSTEM AND NEW STORM DRAIN STRUCTURES TO NORTHERN PARKING LOT AREA. FENCE PREVIOUSLY RELOCATED.



benatec associates
ENGINEERING ARCHITECTURE TECHNOLOGY
101 Erford Road, Camp Hill, PA 17011-8866

DESIGNED BY: LRM
DRAWN BY: JS
PROJECT NO. 82910
DATE: MARCH 3, 1989
SCALE: 1" = 50'
DRAWING NO. 2 OF 15

SDP-89-178



NOTE: Existing Sewer Line & Existing Water Line To Be Replaced. See Details & Profile

Existing Water Line was abandoned during the 1970's Contract No. 449-W

Match Line, Sht. 4

DESCRIPTION OF FLOOD PLAIN EASEMENT
Beginning at a point which is S 03°-31'-40" W, 85.00' from the northeast corner of Parcel 128, Tax Map 48, thence the following courses and distances:

Bearings	Distance	Water Surface Elevation At Break Point
A	N 66°-39'-18" W	197.86'
B	N 81°-58'-26" W	197.44'
C	S 86°-43'-40" W	88.51'
D	S 71°-19'-41" W	171.38'
E	N 15°-19'-02" W	44.83'
F	N 70°-58'-48" E	195.43'
G	N 88°-39'-27" E	111.86'
H	S 81°-20'-49" E	198.02'
I	N 85°-46'-39" E	119.39'
J	N 24°-44'-03" E	46.43'
K	S 51°-44'-32" E	49.82'
L	S 11°-42'-46" W	149.02'

Containing 0.983 Acres

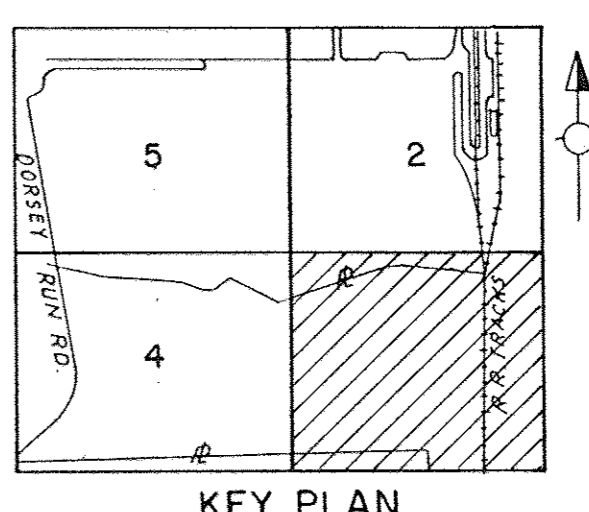
OWNER - PARCEL 128:
STATE OF MARYLAND
DEPARTMENT OF PUBLIC SAFETY
AND CORRECTIONAL SERVICES
SUITE 310
6776 REISTERSTOWN RD.
BALTIMORE, MD 21215

APPROVED
DIVISION OF
COMMUNITY PLANNING
& LAND DEVELOPMENT
HOWARD COUNTY,
MARYLAND

DATE



REVISIONS
* (1) ADD PROP. 20'x30' EQUIPMENT SHED 9-21-93



REVISION 1 9/06/2017
ADDED UNDERDRAIN SYSTEM AND NEW STORM DRAIN STRUCTURES TO NORTHERN PARKING LOT AREA. POND D AND CUL-DE-SAC REMOVED DURING CONSTRUCTION OF SOUTHERN LOT SHOWN ON SDP-93-010.

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department

Joan M. Boyler 1-4-90
County Health Officer Date

APPROVED: Howard County Department of Planning & Zoning

Mark S. Slaughter 1-8-90
Director Date

Frank J. Slaughter 1/8/90
Chief, Division of Community Planning and Land Development Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works

James P. ... 12-29-89
Director Date

William E. ... 12-29-89
Chief Bureau of Engineering Date

11-7-90 4 Show Existing Stationing, Easements, and Construction Sewer & Water Lines Connection to Other Utilities

6-21-89 1 As per Howard Co. Comments of 4.12-89

6-26-89 2 REMOVE REPLACEMENT OF EXIST. 12" WATER LINE

7-31-90 3 REVISION SHOWING HIGH MAST LIGHT FOUNDATIONS

DATE NO. REVISION

DEVELOPER:
CSX TRANSPORTATION
100 NORTH CHARLES STREET
BALTIMORE, MD 21201

CSX AUTO DISTRIBUTION CENTER
AT JESSUP

TAX MAP 48 PARCEL 128, 126 & 12
6TH ELECTION DISTRICT ZONE M-2
HOWARD COUNTY, MARYLAND

TITLE: SITE PLAN

benatec associates
ENGINEERING ■ ARCHITECTURE ■ TECHNOLOGY
101 Erford Road, Camp Hill, PA 17011-8866

DESIGNED BY: LRM

DRAWN BY: JS

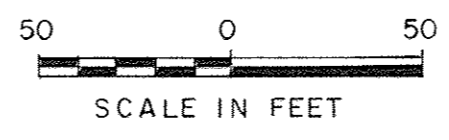
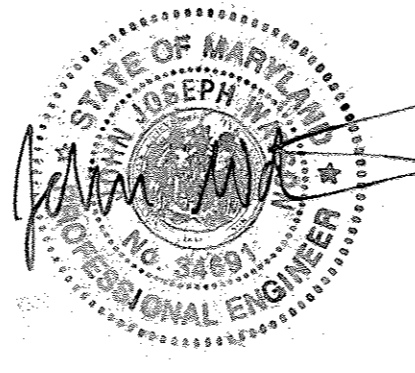
PROJECT NO. 82910

DATE: MARCH 3, 1989

SCALE: 1" = 50'

DRAWING NO. 3 OF 15

Limit of Submission
ENGINEERING CERTIFICATION
I HEREBY CERTIFY THAT THE REVISIONS SHOWN AS REV. 1 SHOWN ON THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND
John Watson 9-19-17
JOHN WATSON, MD. P.E. NO. 34691 DATE



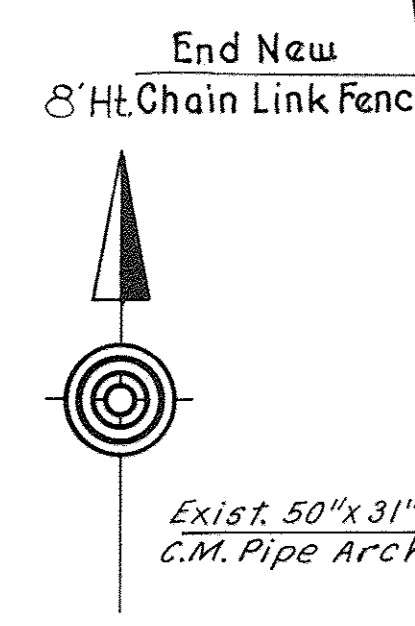
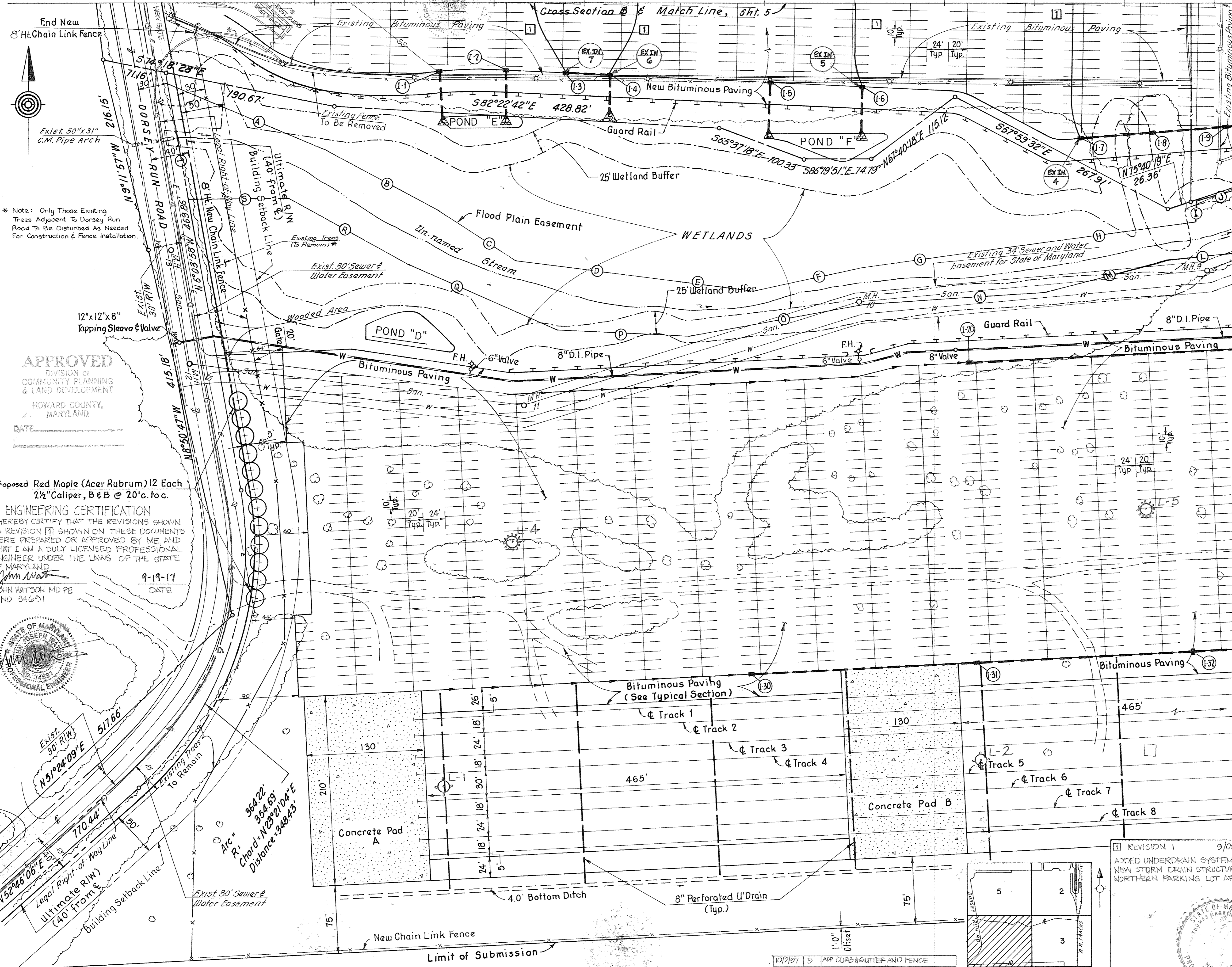
*NOTE: SEE SHEET 14 OF 15, SDP 89-178

DESCRIPTION OF FLOOD PLAIN EASEMENT

Beginning at a point which is the following two courses and distances from the northwest corner (Monument M.D.162) of Parcel 128, Tax Map 48: S 74°-18'-23" E, 71.16' and S 06°-03'-58" E, 12.00', thence the following courses and distances:

Bearings	Distance	Water Surface Elevation At Break Point
A	S 63°-02'-49" E	188.66'
B	S 57°-24'-39" E	145.58'
C	S 52°-31'-48" E	98.22'
D	S 78°-20'-58" E	191.25'
E	S 77°-43'-36" E	76.30'
F	N 82°-24'-47" E	127.81'
G	N 86°-39'-51" E	199.67'
H	N 85°-45'-59" E	169.10'
I	N 05°-22'-13" E	23.50'
J	N 78°-10'-49" E	271.00'
K	S 00°-12'-57" E	109.42'
L	S 88°-05'-25" W	302.50'
M	S 78°-45'-25" W	139.33'
N	N 88°-41'-43" W	197.97'
O	S 83°-34'-36" W	198.40'
P	N 83°-55'-20" W	150.17'
Q	N 61°-26'-24" W	177.66'
R	N 56°-33'-07" W	155.63'
S	N 86°-18'-40" W	110.38'
T	N 06°-03'-58" W	130.00'

Containing 2.099 Acres
 OWNER - PARCEL 128:
 STATE OF MARYLAND
 DEPARTMENT OF PUBLIC SAFETY
 AND CORRECTIONAL SERVICES
 SUITE 310
 6776 REGISTERSTOWN RD.
 BALTIMORE, MD 21215

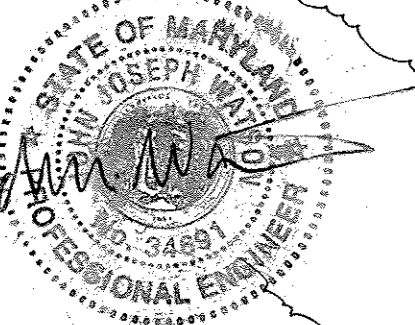


* Note: Only Those Existing Trees Adjacent To Dorsey Run Road To Be Disturbed As Needed For Construction & Fence Installation.

APPROVED
 DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE _____

Proposed Red Maple (*Acer Rubrum*) 12 Each
 2 1/2" Caliper, B & B @ 20' c. f.o.c.

ENGINEERING CERTIFICATION
 I HEREBY CERTIFY THAT THE REVISIONS SHOWN AS REVISION [] SHOWN ON THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 John Watson
 JOHN WATSON MD PE
 NO 34691
 DATE 9-19-17



Match Line, Sht. 3

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department

Joseph J. Boyle 1-4-90
 County Health Officer Date

APPROVED: Howard County Department of Planning & Zoning

W. R. ... 1-8-90
 Director Date

... V. ... 1-8-90
 Chief, Division of Community Planning and Land Development Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works

... M. ... 12-29-89
 Director Date

... R. ... 12-29-89
 Chief Bureau of Engineering Date

11-7-90 4 Show Building Addition, Storm Drainage, and Construction
 Sewer & Water Main Connections & Other Utilities

6-21-89 1 As per Howard Co. Comments of 4-12-89

10-13-89 2 As per Howard Co. Comments of 9-26-89

7-31-90 3 REVISION SHOWING HIGH MAST LIGHT FOUNDATIONS

DATE NO. REVISION

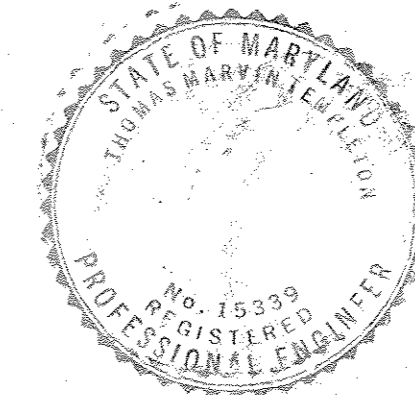
DEVELOPER:
 CSX TRANSPORTATION
 100 NORTH CHARLES STREET
 BALTIMORE, MD 21201

CSX AUTO DISTRIBUTION CENTER
 AT JESSUP

TAX MAP 48 PARCEL 128, 126 & 12
 6TH ELECTION DISTRICT ZONE M-2
 HOWARD COUNTY, MARYLAND

TITLE: SITE PLAN

REVISION 1 9/10/2017
 ADDED UNDERDRAIN SYSTEM AND NEW STORM DRAIN STRUCTURE TO NORTHERN PARKING LOT AREA.



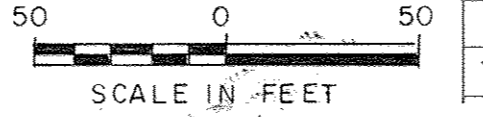
DESIGNED BY: LRM

DRAWN BY: JS

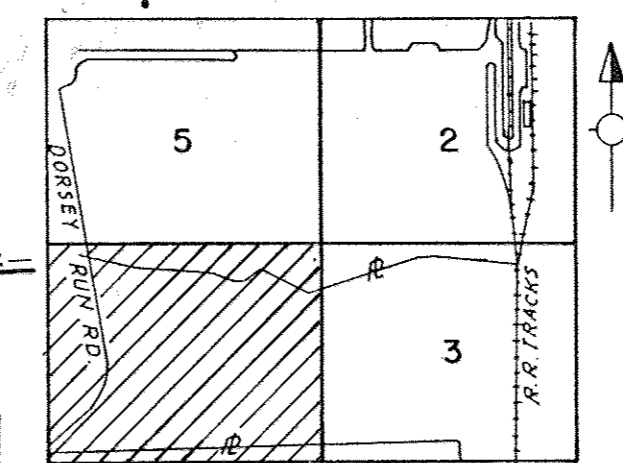
PROJECT NO. 82910

DATE: MARCH 3, 1989

SCALE: 1" = 50'
 DRAWING NO. 4 OF 15
 SDP-89-178



DATE	NO.	REVISION
10/2/97	5	APP CURBS & GUTTER AND FENCE



KEY PLAN
 N.T.S.

ENGINEER CERTIFICATION

I HEREBY CERTIFY THAT THE REVISIONS SHOWN AS REVISION 1 SHOWN ON THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND
 JOHN WATSON, V.D. P.E. NO. 24691
 DATE 9-19-17



HANDICAPPED PARKING SIGN SPECIFICATIONS

I. Fine Sign:
 Pursuant to Howard County Council Bill #58-84, which established a \$50.00 fine for violating provisions for handicapped parking and provided for posting notifications of that fine, this specification describes the sign authorized for posting and the associated mounting detail.

\$98 \$50 FINE

Sign to utilize an aluminum blank 6" x 12" x 0.080 inch thick with two (2) single post mounting holes. The text and border shall be standard green to match the R-7 reserved parking sign and the background shall be reflective white. The text shall be 3" characters.

II. Mounting:

The above fine sign shall be mounted underneath the top R-7 reserved parking sign. The bottom edge shall be no less than 7 feet above ground. If the sign is placed against a building, structure or other location where vehicle or pedestrian traffic is not obstructed, the bottom edge of the sign shall be at least 6 feet, but no more than 10 feet above ground. Because this is in addition to existing sign installations, some adjustment in height will be necessary.



LEGEND AND BORDER - GREEN
 WHITE SYMBOL ON BLUE BACKGROUND
 BACKGROUND - WHITE

APPROVED
 DIVISION OF
 COMMUNITY PLANNING
 & LAND DEVELOPMENT
 HOWARD COUNTY,
 MARYLAND

OWNER - PARCEL 128:
 STATE OF MARYLAND
 DEPARTMENT OF PUBLIC SAFETY
 AND CORRECTIONAL SERVICES
 SUITE 310
 6776 REISTERSTOWN RD.
 BALTIMORE, MD 21215

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department

Joseph Boyd M.D. 1-4-90
 County Health Officer Date

APPROVED: Howard County Department of Planning & Zoning
Will 1-8-90
 Director Date

Mark S. D. Sample 1/8/90
 Chief, Division of Community Planning and Land Development Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works

James M. Lane 12/29/87
 Director Date

Thomas M. Templeton 12-29-89
 Chief Bureau of Engineering Date

DATE	NO.	REVISION
11-7-90	4	ADD ENGINEERING NOTES TO THE PLAN, RELOCATION OF SEWER & WATER MAINS, CONNECTIONS TO OTHER UTILITIES
6-21-89	1	As per Howard Co. Comments of 4-12-89
10-13-89	2	As per Howard Co. Comments of 9-26-89
7-31-90	3	REVISION SHOWING HIGH MAST LIGHT FOUNDATIONS

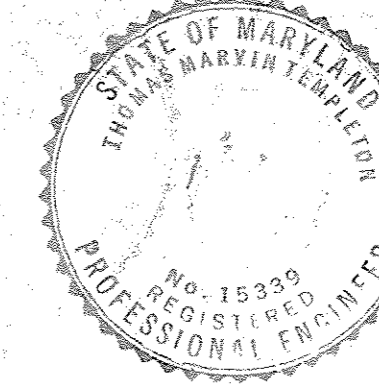
DEVELOPER:
 CSX TRANSPORTATION
 100 NORTH CHARLES STREET
 BALTIMORE, MD 21201

CSX AUTO DISTRIBUTION CENTER

AT JESSUP
 TAX MAP 48 PARCEL 128, 126 & 12
 6TH ELECTION DISTRICT ZONE M-2
 HOWARD COUNTY, MARYLAND

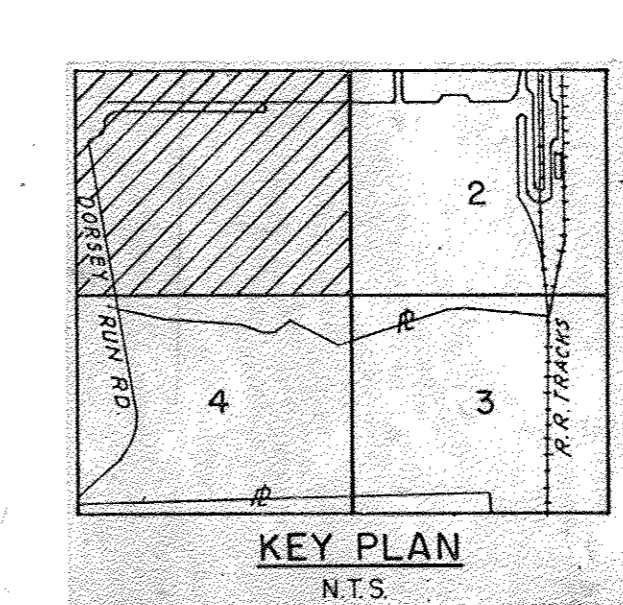
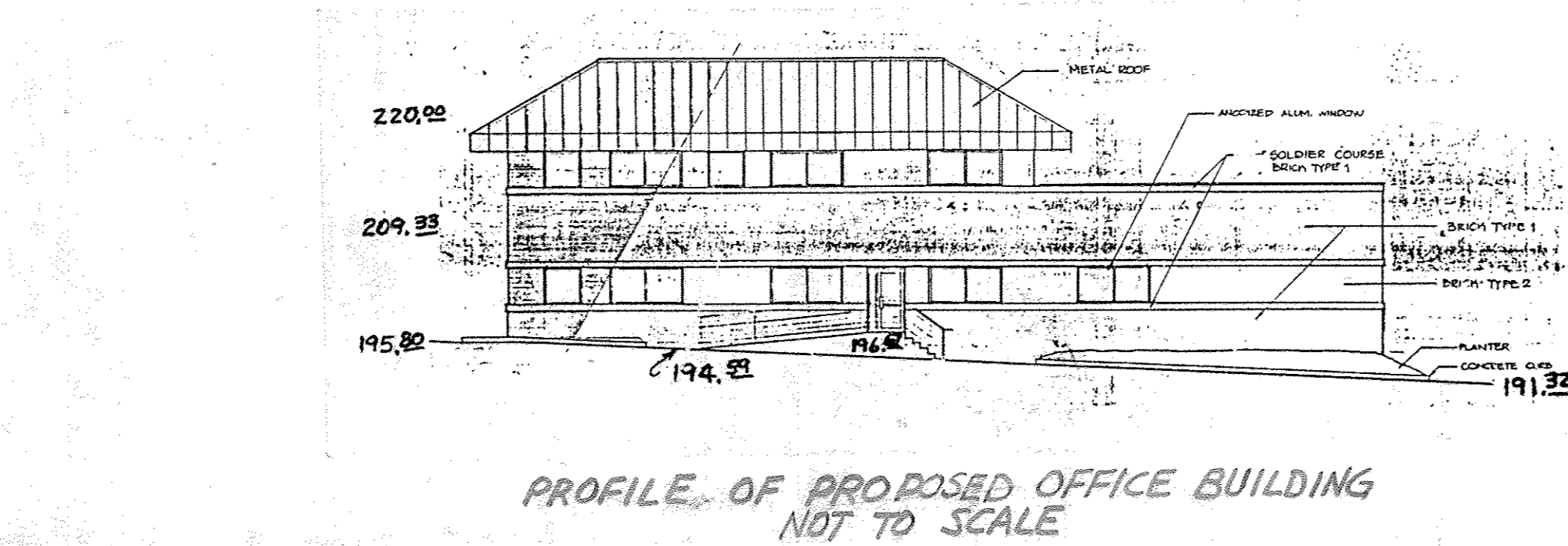
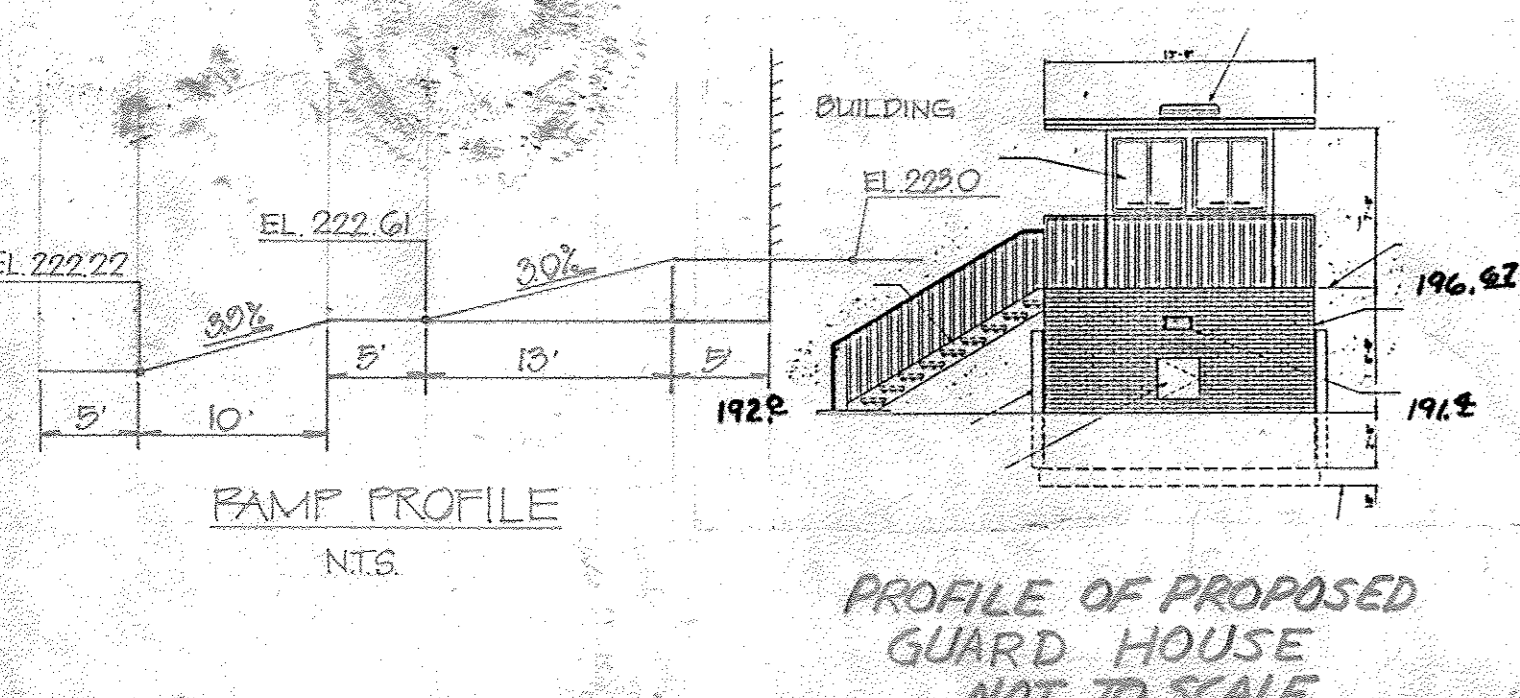
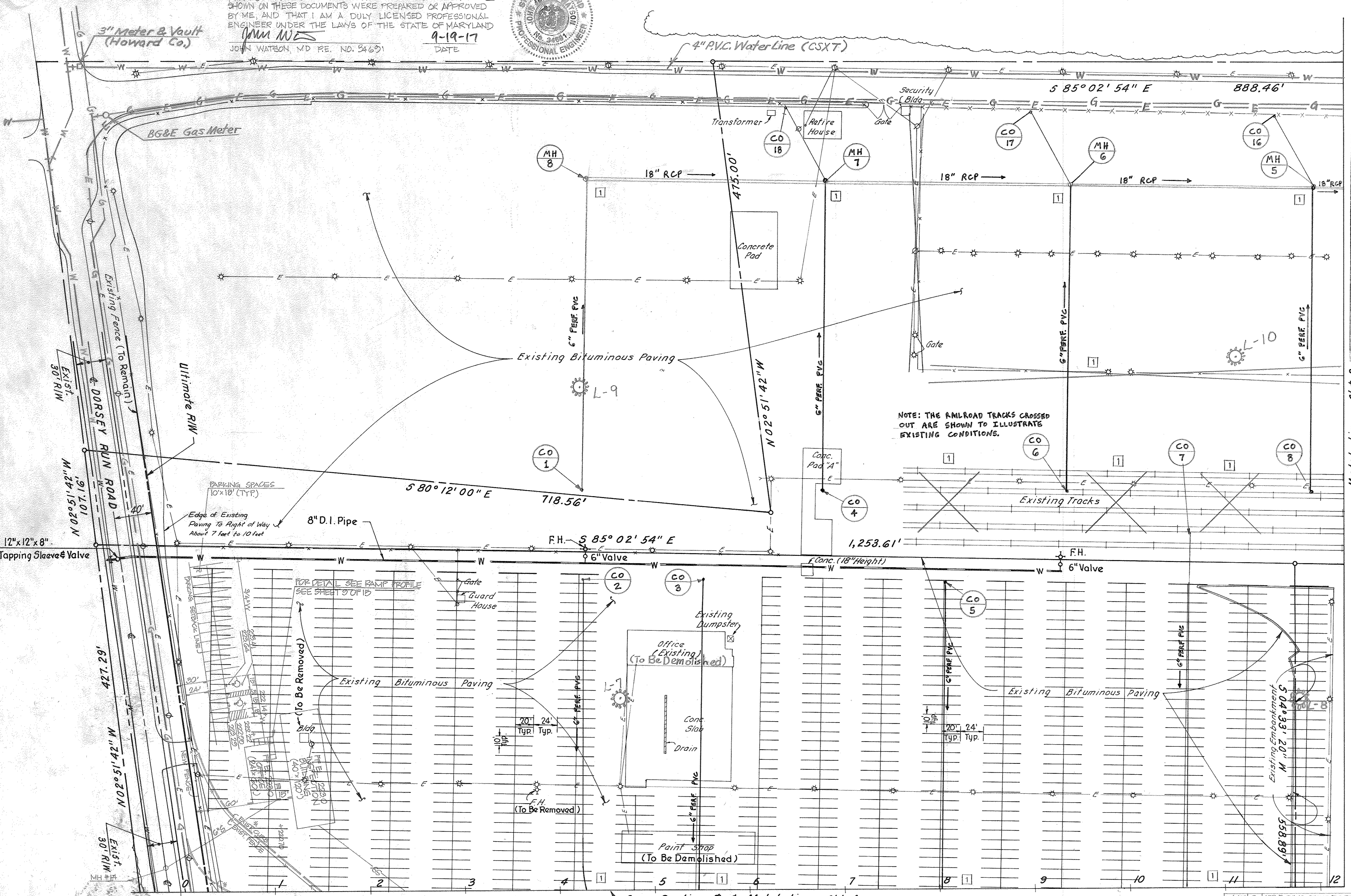
TITLE: **SITE PLAN**

1 REVISION 1
 REMOVED RAILROAD FROM NORTHERN LOT,
 ADDED UNDERDRAIN SYSTEM AND NEW
 STORM DRAIN STRUCTURES TO NORTHERN
 PARKING LOT AREA, FENCE PREVIOUSLY
 RELOCATED.
 9/10/2017



benatec associates
 ENGINEERING ■ ARCHITECTURE ■ TECHNOLOGY
 101 Erford Road, Camp Hill, PA 17011-8866

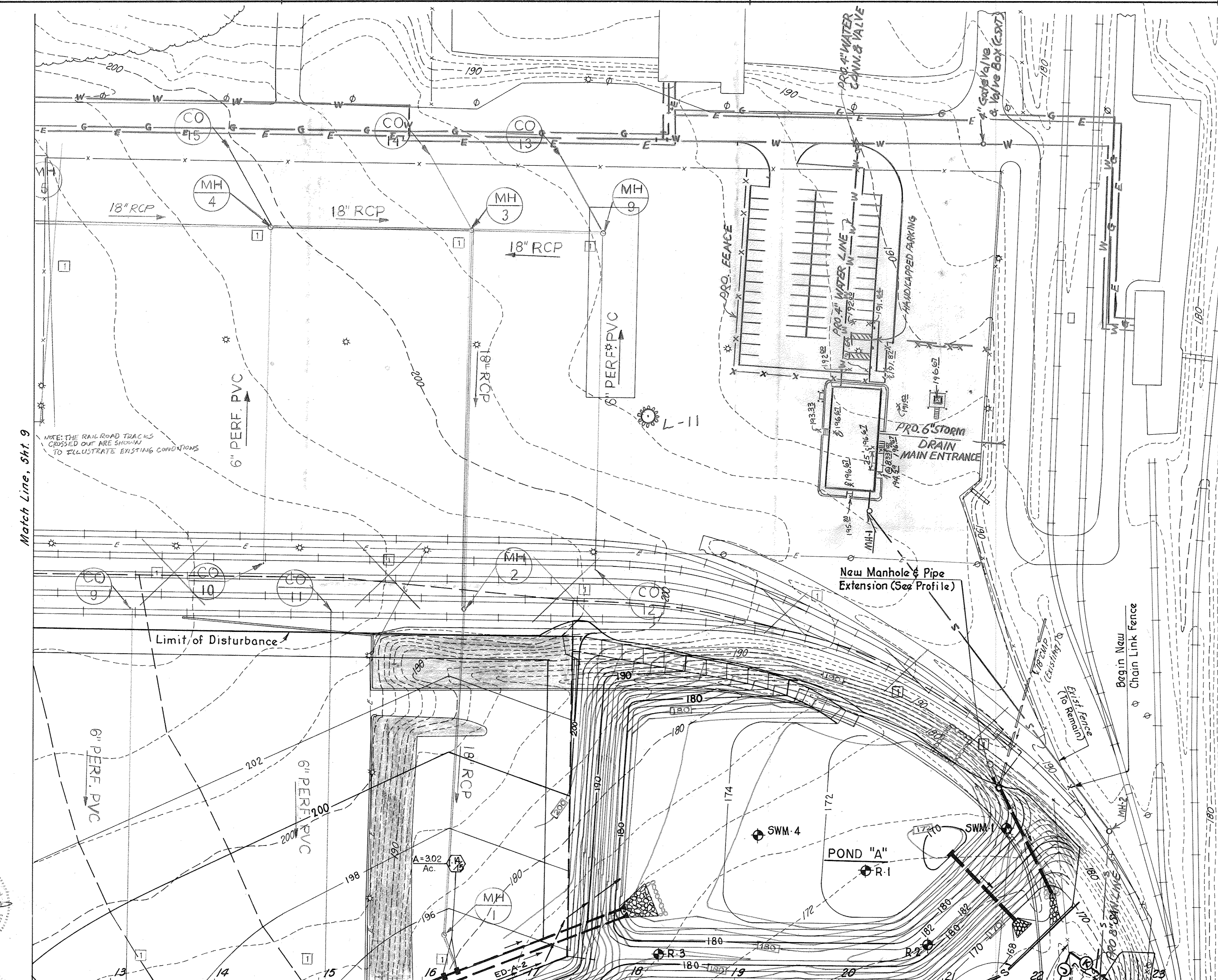
DESIGNED BY: LRM
 DRAWN BY: JS
 PROJECT NO.: 82910
 DATE: MARCH 3, 1989
 SCALE: 1" = 50'
 DRAWING NO. 5 OF 15



DATE	NO.	REVISION
10/2/97	5	ADD PARKING, OFFICE BUILDING, & UTILITIES

Match Line, Sht. 2

Cross Section @ Match Line, Sht. 4



Match Line, Sht. 9

NOTE: THE RAILROAD TRACKS
CROSSED OUT ARE SHOWN
TO ILLUSTRATE EXISTING CONDITIONS

New Manhole & Pipe
Extension (See Profile)

Limit of Disturbance

Cross Section @ & Match Line, Sht. 7

Exist Fence
(To Be Removed)

As-Built for Ponds A-F

- NOTES:**
- S - Silt Fence
 - ▲ Rock Protection for Pipe Outlets
 - Shaded Areas Previously Grass Covered, Now Paved
 - - - Flood Plain Boundary
 - ⊖ Flood Plain Easement Line
 - C Value, Zoning & % IMP are Constant for All Areas.
 - A = 1.39 Ac. 13 M-2
 - C = 0.86 100% IMP
 - All Inlets are Double Type S Inlets as per Howard Co. SD 4.23
 - ⊙ R-1 = Core Boring

BY THE DEVELOPER:

"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

Thomas M. Templeton P.E.
Signature of Developer
3/17/89
Date

BY THE ENGINEER:

"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."

Thomas M. Templeton P.E.
Signature of Engineer
3/2/89
Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

James M. Hester
U.S. Soil Conservation Service
12/21/89
Date

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Robert J. Zichner
Howard Soil Conservation District
12/21/89
Date

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department

James W. Bryden
County Health Officer
1-4-90
Date

APPROVED: Howard County Department of Planning & Zoning

Clark
Director
1-8-90
Date

David S. J. Langley
Chief, Division of Community Planning and Land Development
1-8-90
Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works

James J. ...
Director
12/29/89
Date

McCaum & Ray
Chief Bureau of Engineering
12-29-89
Date

DATE	NO.	REVISION
6-21-89	1	As per Howard Co Comments of 4-12-89
10-13-89	2	As per Howard Co Comments of 9-26-89
11-7-90	3	Show Building Addition, Parking Lot Addition, and Construction Sewer & Waterhouse Connection & Other UTILITIES

DEVELOPER:

CSX TRANSPORTATION
100 NORTH CHARLES STREET
BALTIMORE, MD 21201

CSX AUTO DISTRIBUTION CENTER

AT JESSUP

TAX MAP 48 PARCEL 128, 126 & 12
6TH ELECTION DISTRICT ZONE M-2
HOWARD COUNTY, MARYLAND

TITLE: GRADING, SEDIMENT CONTROL AND DRAINAGE AREAS

benatec associates
ENGINEERING ■ ARCHITECTURE ■ TECHNOLOGY
101 Erford Road, Camp Hill, PA 17011-8866

DESIGNED BY: LRM
DRAWN BY: JS
PROJECT NO. 82910
DATE MARCH 3, 1989
SCALE: 1" = 50'
DRAWING NO. 6 OF 15

STATE OF MARYLAND
THOMAS M. TEMPLETON
REGISTERED PROFESSIONAL ENGINEER
No. 15339
EXPIRES 12/31/93



ENGINEERING CERTIFICATION

I HEREBY CERTIFY THAT THE REVISIONS SHOWN AS REVISION 1 SHOWN ON THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND

John Watson
JOHN WATSON, MD PE
NO. 34631

9-19-17
DATE

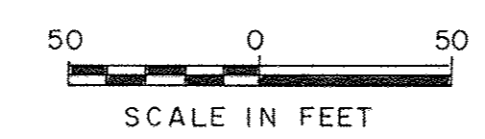
The following is a chronological sequence of construction steps with regard to erosion and sedimentation control:

- All necessary permits will be obtained.
- The perimeter silt fence and stabilized construction entrance will be installed.
- The two new manholes will be constructed over the existing sanitary sewer. The existing 18" R.C.P. pipe sewer and 12" C.I. waterline will be replaced with a P.I. pipe and encased in concrete. If lowering of the trench excavation is required, then water will be pumped into a concrete made screw bales. Trapped sediment will be stored with accepted topsoil.
- A 48" R.C.C. pipe will be installed in the stream channel from Station 14+02 to 16+03 etc. including the downstream concrete and section. Silt fence will be installed near the downstream end of the pipe. Fill will be placed to a minimum depth of 2 feet above the pipes in the area from Station 14+02 to 15+05 etc. This area will be used for vehicle crossing during the next phase.
- Dikes will be constructed for Ponds A, B, C, D, E, and F, including sediment control riser, outlet pipe and downstream riprap protection. The outlet pipes for Ponds A, B, and C are the permanent outlet pipes for the detention facilities. The outlets of Pond A, B, and C remain closed until pond is stabilized. The soil for embankment dikes will be taken from the site near Boring Holes B-12 and B-13 as shown on the plan. Topsoil will be stockpiled at the upper end of the site near Dorsay Run Road, surrounded with silt fence and stabilized with temporary seeding. The pond embankments will be stabilized with temporary seeding until permanent seeding can be properly applied.

- The northern portion of the site will be constructed. This includes the area from the wetlands northward and from Dorsay Run Road to and including Pond A. Grading will be performed in such a way that runoff will be directed to Pond A as much as possible. The drainage system will be installed, including soil stabilization matting and rock outlet protection, and the area will be paved. All embankments will be stabilized with temporary seeding until permanent seeding can be applied.
- The new truck area and parking area will be constructed. Any remaining topsoil which has not been used or sold will be relocated to an appropriate area agreeable to the contractor and owner. This topsoil acceptable will be surrounded by silt fence and stabilized with temporary seeding. Existing Manhole No. 11 will be raised to finished grade. The cul-de-sac, southerly maintenance road, 4 foot bottom ditch and Pond B will be constructed. All drainage facilities will be installed including rock outlet protection and soil stabilization matting. Paving will be completed.
- Guard rail and line painting will be completed.
- All disturbed areas will receive temporary seeding as soon as possible after final grading. Permanent seeding will be placed at the earliest possible time.
- All sediment control devices in Ponds A, B, C, D, E, and F will be removed and converted to storm water management facilities after inspection by the Department of Public Works Sediment Control Inspector.

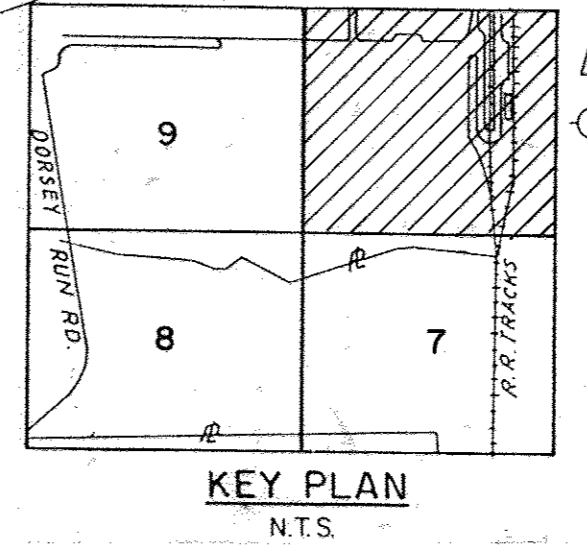
I hereby certify that to the best of my knowledge and belief that the As-Built shown hereon is accurate and complete and that the ponds as constructed meets the requirements of the Standards & Specifications for Ponds.

Curt Sweetland
REG. PROFESSIONAL ENGINEER NO. 18489
1/28/93
DATE

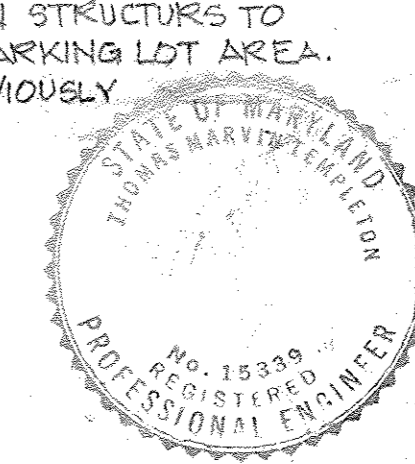


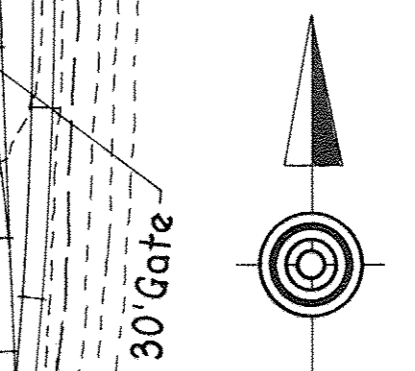
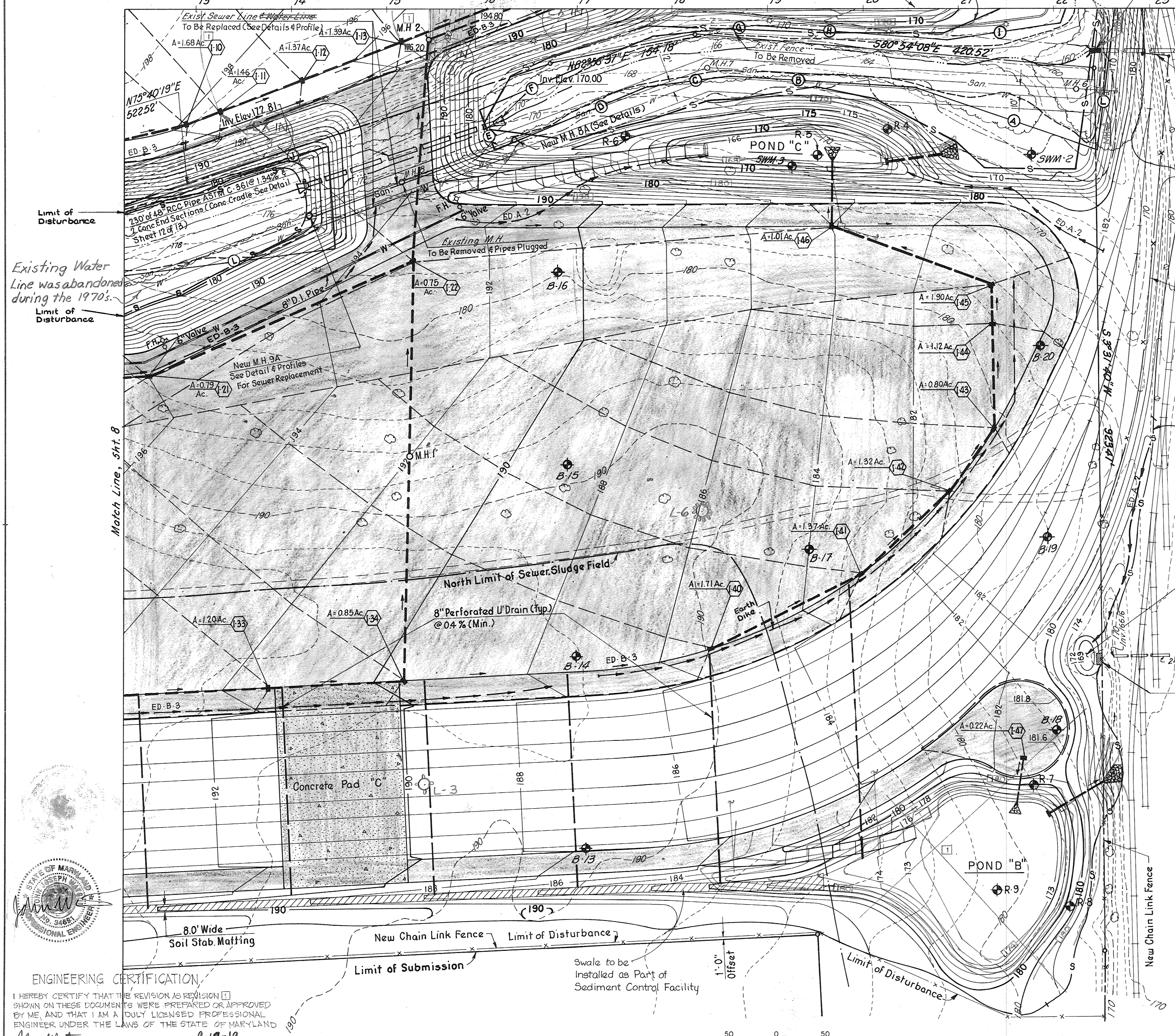
APPROVED
DIVISION OF
COMMUNITY PLANNING
& LAND DEVELOPMENT
HOWARD COUNTY,
MARYLAND

DATE



REVISION 1 2/06/2017
RAILROAD PREVIOUSLY REMOVED FROM NORTHERN LOT; ADDED UNDERDRAIN SYSTEM AND NEW STORM DRAIN STRUCTURES TO NORTHERN PARKING LOT AREA. FENCE PREVIOUSLY RELOCATED.

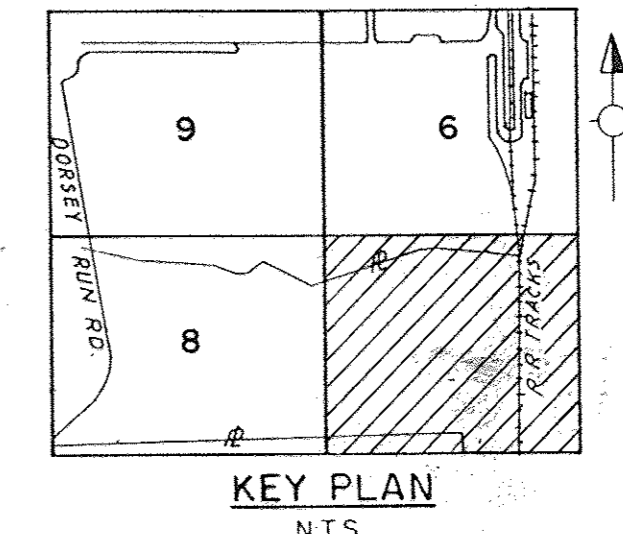




APPROVED DIVISION of COMMUNITY PLANNING & LAND DEVELOPMENT HOWARD COUNTY, MARYLAND DATE

Temporary Trap for Sediment Control with Volume 1600 ft.³ or Size 1'x40'x40'

Riprap (5'x10'x6") on Crest @ 171.0 ft. Elevation (See Detail Sheet 12 of 13)



REVISION 1 9/06/2017 ADDED UNDERDRAIN SYSTEM AND NEW STORM DRAIN STRUCTURES TO NORTHERN PARKING LOT AREA, POND B AND CAL. DESTRUCTION OF SOUTHERN LOT SHOWN ON SDP-93-010

BY THE DEVELOPER: I/We certify that all development and/or construction will be done according to these plans... Signature of Developer: Thomas M. Templeton 3/17/89

BY THE ENGINEER: I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan... Signature of Engineer: Thomas M. Templeton P.E. 3/2/89

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements... Signature: James M. Helm 12/21/89

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District. Signature: Robert W. Zielhuis 12/21/89

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department. Signature: Jocelyn Broadwin 1-4-90

APPROVED: Howard County Department of Planning & Zoning. Signature: [Signature] 1-8-90

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works. Signature: [Signature] 12/29/89

Table with columns for DATE NO. and REVISION. Includes entries for 11-7-90, 6-21-89, 10-13-89, and 6-26-90.

DEVELOPER: CSX TRANSPORTATION 100 NORTH CHARLES STREET BALTIMORE, MD 21201

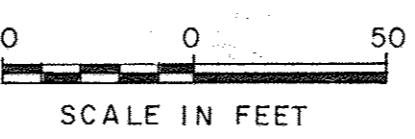
CSX AUTO DISTRIBUTION CENTER AT JESSUP TAX MAP 48 PARCEL 128, 126 & 12 6TH ELECTION DISTRICT ZONE M-2 HOWARD COUNTY, MARYLAND

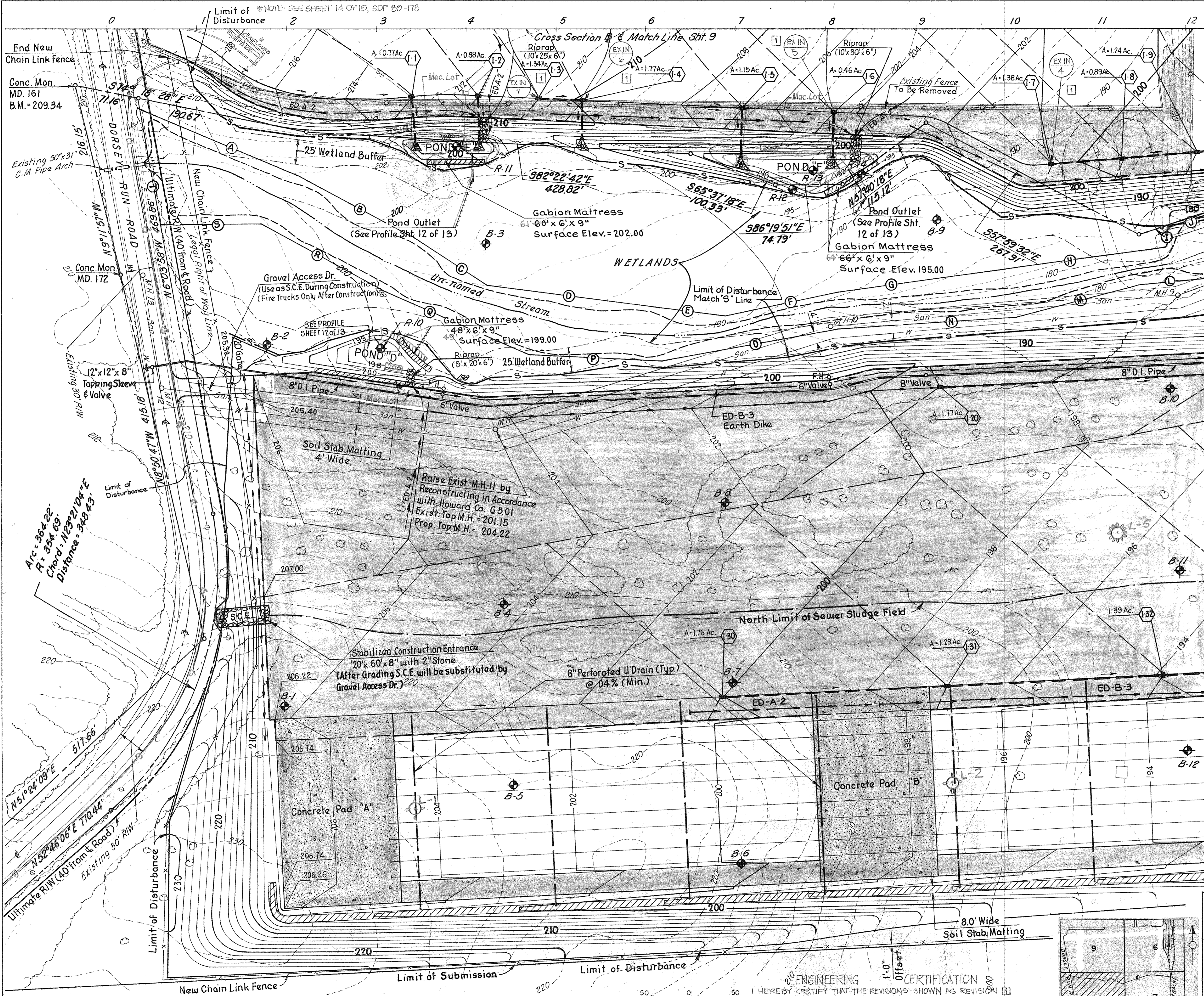
TITLE: GRADING, SEDIMENT CONTROL AND DRAINAGE AREAS

benatec associates ENGINEERING ARCHITECTURE TECHNOLOGY 101 Erford Road, Camp Hill, PA 17011-8866

DESIGNED BY: LRM DRAWN BY: JS PROJECT NO. 82910 DATE: MARCH 3, 1989 SCALE: 1" = 50' DRAWING NO. 7 OF 15

ENGINEERING CERTIFICATION I HEREBY CERTIFY THAT THE REVISION AS REVISION 1 SHOWN ON THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME... JOHN WATSON, MD RE. NO. 34691 DATE 9-19-19





*NOTE: SEE SHEET 14 OF 15, SDP 89-178
 Limit of Disturbance

OWNER - PARCEL 128:
 STATE OF MARYLAND
 DEPARTMENT OF PUBLIC SAFETY
 AND CORRECTIONAL SERVICES
 SUITE 310
 6776 REISTERSTOWN RD.
 BALTIMORE, MD 21215

BY THE DEVELOPER:
 "I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District."
 Thomas R. Washel
 Signature of Developer
 3/17/89
 Date

BY THE ENGINEER:
 "I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."
 Thomas M. Templeton, P.E.
 Signature of Engineer
 3/2/89
 Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.
 Thomas M. Templeton, P.E.
 Signature of Engineer
 12/21/89
 Date

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
 Robert W. Zickler
 Signature of Engineer
 12/21/89
 Date

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
 James G. Galt
 County Health Officer
 1-4-90
 Date

APPROVED
 DIVISION OF
 COMMUNITY PLANNING
 & LAND DEVELOPMENT
 HOWARD COUNTY,
 MARYLAND
 DATE

APPROVED: Howard County Department of Planning & Zoning
 Director
 1-8-90
 Date
 Chief, Division of Community Planning and Land Development

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works
 Director
 12/29/89
 Date

Chief Bureau of Engineering
 12-29-89
 Date

DATE	NO.	REVISION
6-21-89	1	As per Howard Co. Comments of 4-12-89
10-13-89	2	As per Howard Co. Comments of 9-26-89
11-7-90	3	Draw Building Addition, Parking Lot Addition, and Construction of Sewer Waterhouse Construction at Other Utilities

DEVELOPER:
 CSX TRANSPORTATION
 100 NORTH CHARLES STREET
 BALTIMORE, MD 21201

CSX AUTO DISTRIBUTION CENTER
 AT JESSUP
 TAX MAP 48 PARCEL 128, 126 & 12
 6TH ELECTION DISTRICT ZONE M-2
 HOWARD COUNTY, MARYLAND

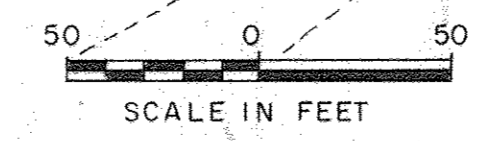
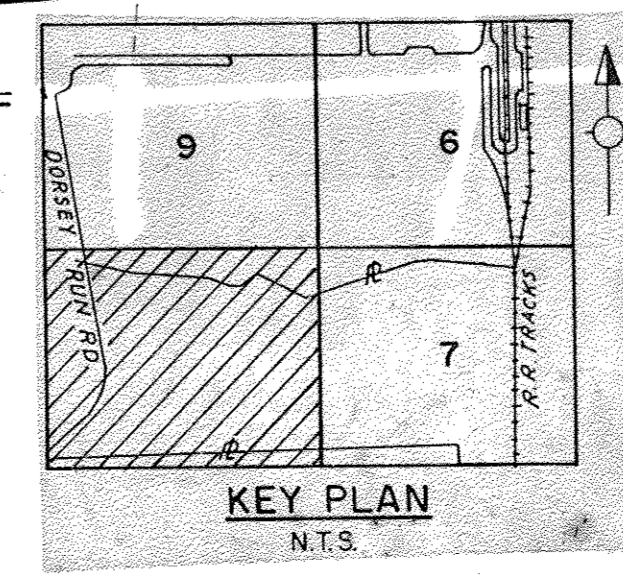
TITLE: GRADING, SEDIMENT CONTROL AND DRAINAGE AREAS

benatec associates
 ENGINEERING ■ ARCHITECTURE ■ TECHNOLOGY
 101 Erford Road, Camp Hill, PA 17011-8866

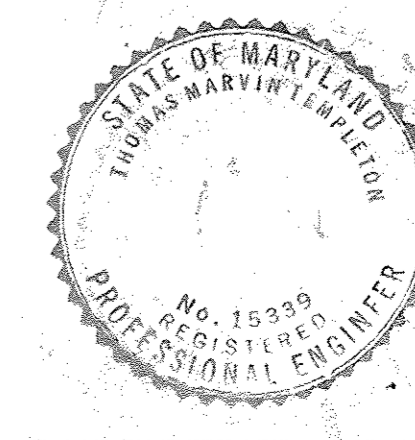
DESIGNED BY: LRM
 DRAWN BY: JS
 PROJECT NO.: 82910
 DATE: MARCH 3, 1989
 SCALE: 1" = 50'
 DRAWING NO. 8 OF 15

STATE OF MARYLAND
 THOMAS M. TEMPLETON
 PROFESSIONAL ENGINEER
 No. 15339
 REGISTERED
 1/5/339

ENGINEERING CERTIFICATION
 I HEREBY CERTIFY THAT THE REVISIONS SHOWN AS REVISION [1] ON THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND
 JOHN WATSON, MD PE, NO. 34691
 DATE: 3-19-17

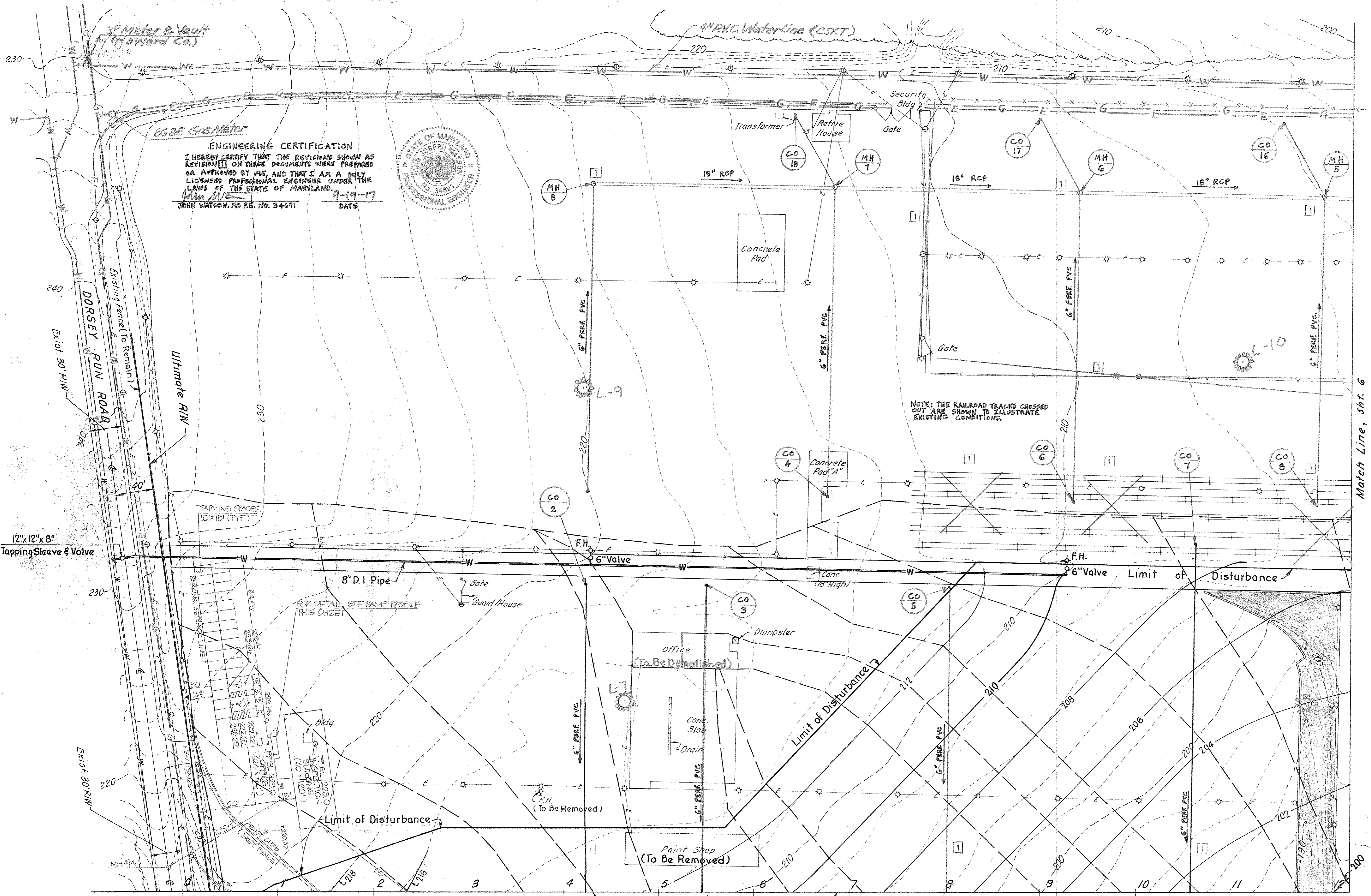


1 REVISION 1 9/06/2017
 ADDED UNDERDRAIN SYSTEM AND NEW STORM DRAIN STRUCTURES TO NORTHERN PARKING LOT AREA.



Match Line, Sht. 7

N75°40'19"E
 26.36'



ENGINEERING CERTIFICATION
I HEREBY CERTIFY THAT THE REVISIONS SHOWN AS REVISION (1) ON THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
John Watson
JOHN WATSON, MD P.E. No. 34691
DATE 9-19-17



BY THE DEVELOPER:
"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District."
Thomas M. Templeton
Signature of Developer
3/17/89
Date

BY THE ENGINEER:
"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."
Thomas M. Templeton P.E.
Signature of Engineer
3/2/89
Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.
James M. Helm
Signature of Engineer
12/21/89
Date

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
Robert W. Ziehm
Signature of Engineer
12/21/89
Date

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
James Boyler
Signature of Director
1-4-90
Date

APPROVED: Howard County Department of Planning & Zoning
Chris [Signature]
Signature of Director
1-8-90
Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works
James [Signature]
Signature of Director
12/29/89
Date

DATE NO.	REVISION
10/21/87	4 ADD PARKING, OFFICE BUILDING, & UTILITIES
6-21-89	1 As per Howard Co. Comments of 4-12-89
10-13-89	2 As per Howard Co. Comments of 9-26-89
11-19-89	3 Revised Building Footprint for Land Preparation Construction Center - 2nd Floor House Construction Office - 11/19/89

DEVELOPER:
CSX TRANSPORTATION
100 NORTH CHARLES STREET
BALTIMORE, MD 21201

CSX AUTO DISTRIBUTION CENTER
AT JESSUP
TAX MAP 48 PARCEL 128, 126 & 12
6TH ELECTION DISTRICT ZONE M-2
HOWARD COUNTY, MARYLAND

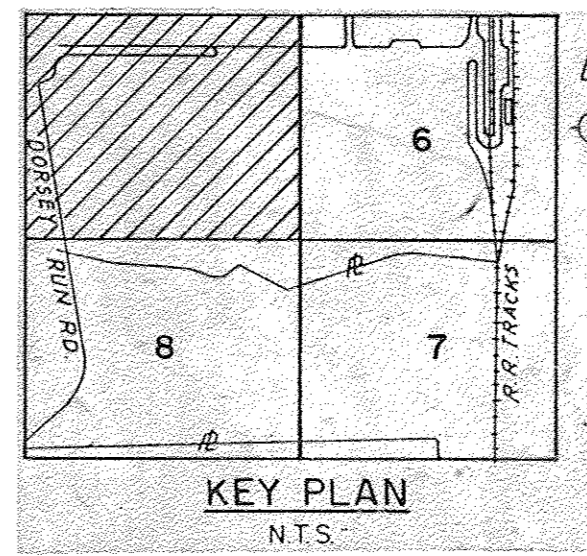
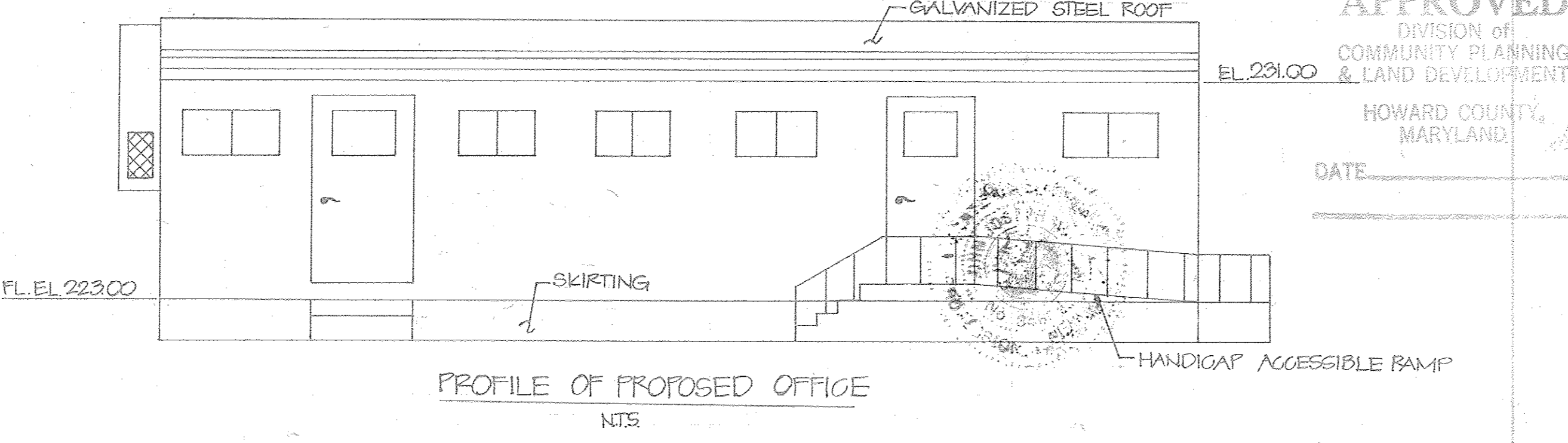
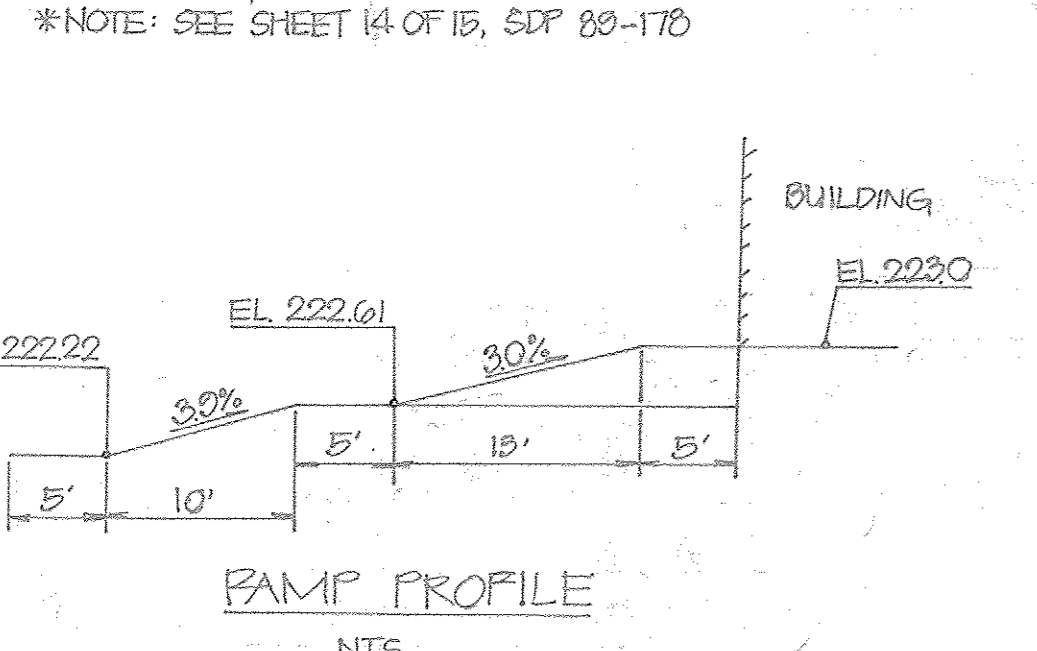
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benatec associates
ENGINEERING | ARCHITECTURE | TECHNOLOGY
101 Erford Road, Camp Hill, PA 17011-8866

DESIGNED BY: LRM
DRAWN BY: JS
PROJECT NO.: 82910
DATE: MARCH 3, 1989
SCALE: 1" = 50'
DRAWING NO.: 9 OF 15

3-02-89
DATE

STATE OF MARYLAND
THOMAS M. TEMPLETON
REGISTERED PROFESSIONAL ENGINEER
No. 15339
12/15/88



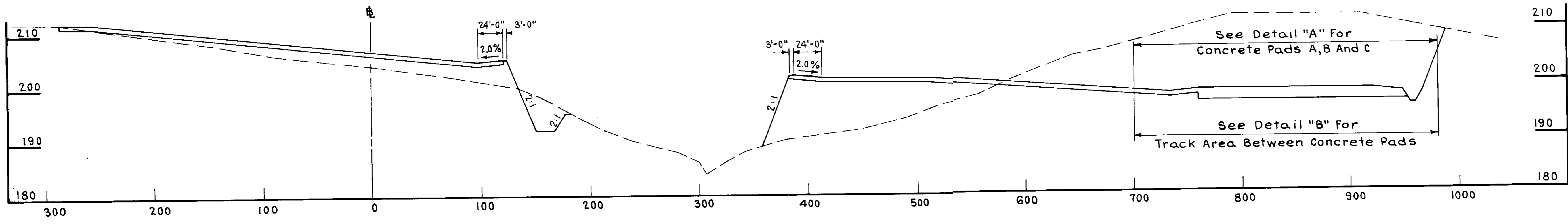
APPROVED
DIVISION OF
COMMUNITY PLANNING
& LAND DEVELOPMENT
HOWARD COUNTY,
MARYLAND
DATE _____

*NOTE: SEE SHEET 14 OF 15, SDP 89-178

Cross Section @ & Match Line, Sht. 8

Match Line, Sht. 6

NOTE: THE RAILROAD TRACKS CROSSED OUT ARE SHOWN TO ILLUSTRATE EXISTING CONDITIONS.



BY THE DEVELOPER:
"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District."
Thomas M. Tamm
Signature of Developer **3/17/89**
Date

BY THE ENGINEER:
"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."
Thomas M. Tamm
Signature of Engineer **3/2/89**
Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.
James M. Tamm
Soil Conservation Service **12/21/89**
Date

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
Richard Ziehm
Howard Soil Conservation District **12/21/89**
Date

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
James Bowen
County Health Officer **1-4-89**
Date

APPROVED: Howard County Department of Planning & Zoning
Charles J. J. J.
Director **1-8-89**
Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works
James J. J.
Director **1-22-89**
Date

DATE	NO.	REVISION
6-21-89	1	As per Howard Co Comments of 4-12-89
10-13-89	2	As per Howard Co Comments of 9-26-89
6-26-90	3	REV. WATER LINE & ELIMINATE COMP. DETAIL

DEVELOPER:
CSX TRANSPORTATION
100 NORTH CHARLES STREET
BALTIMORE, MD 21201

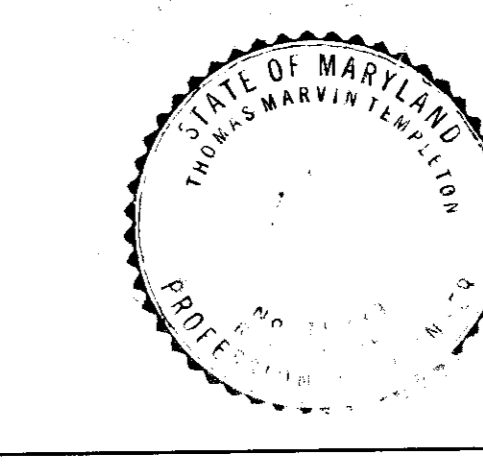
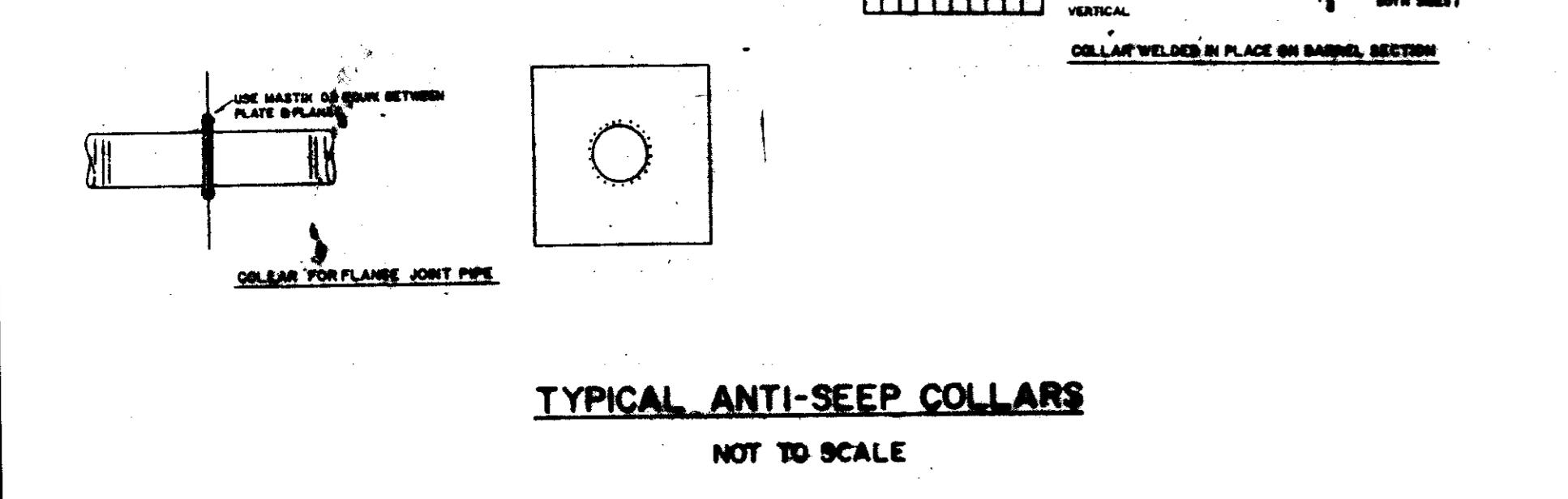
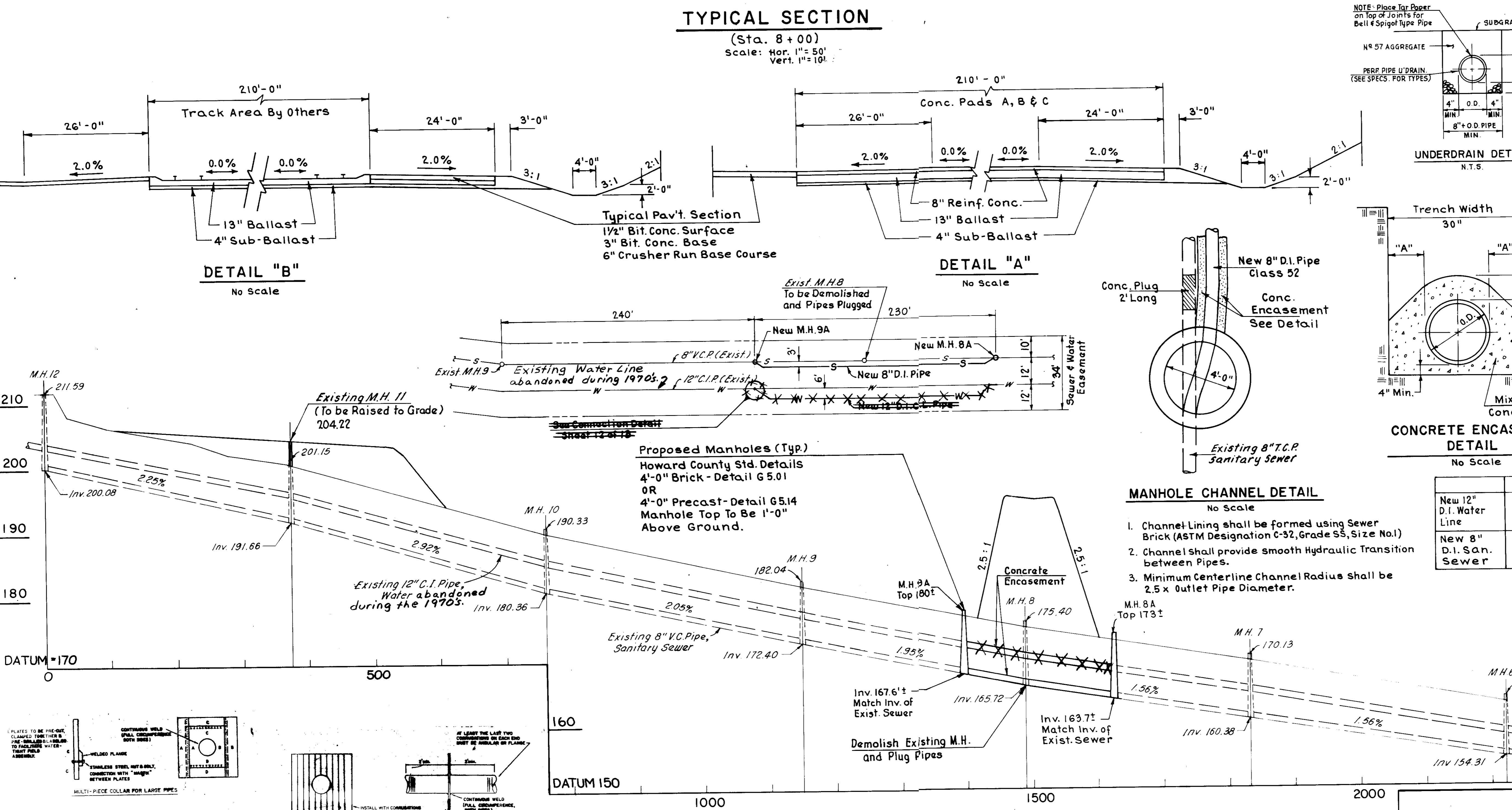
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AT JESSUP

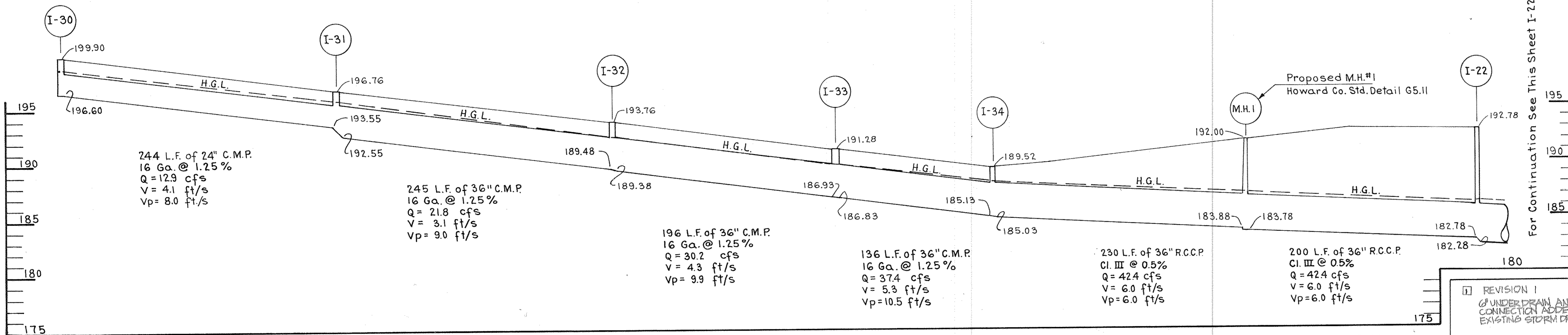
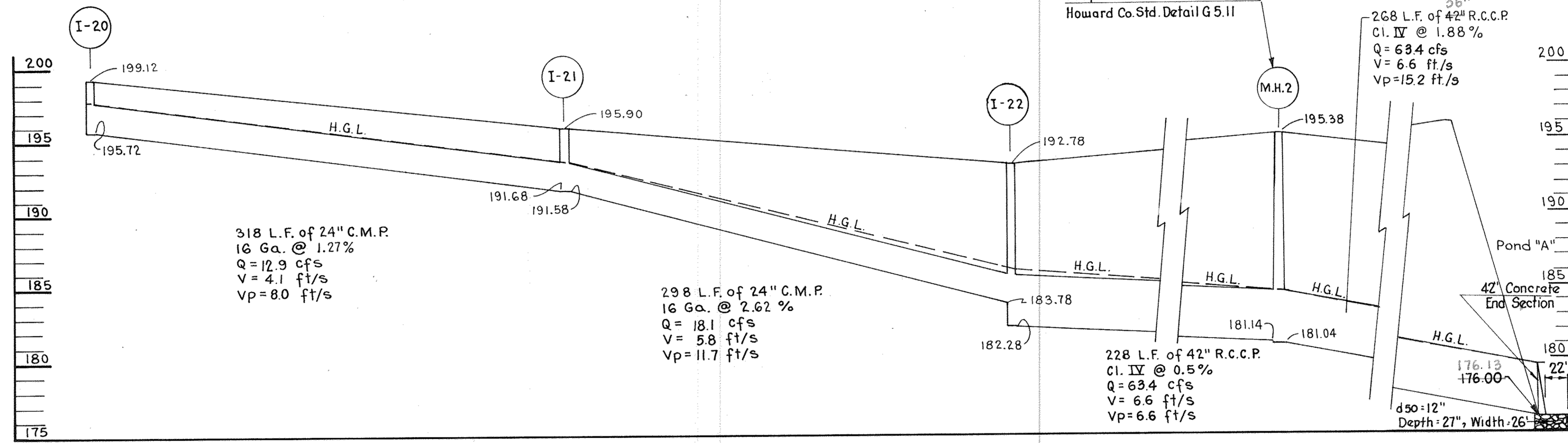
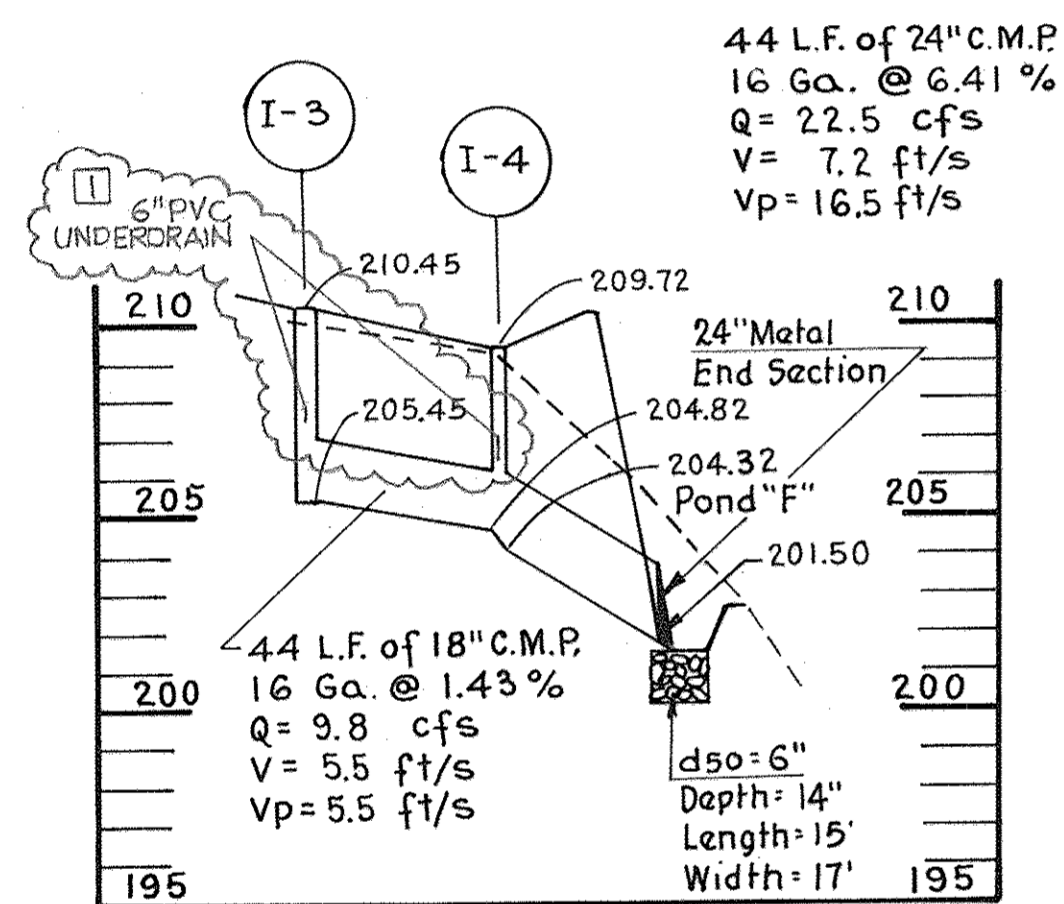
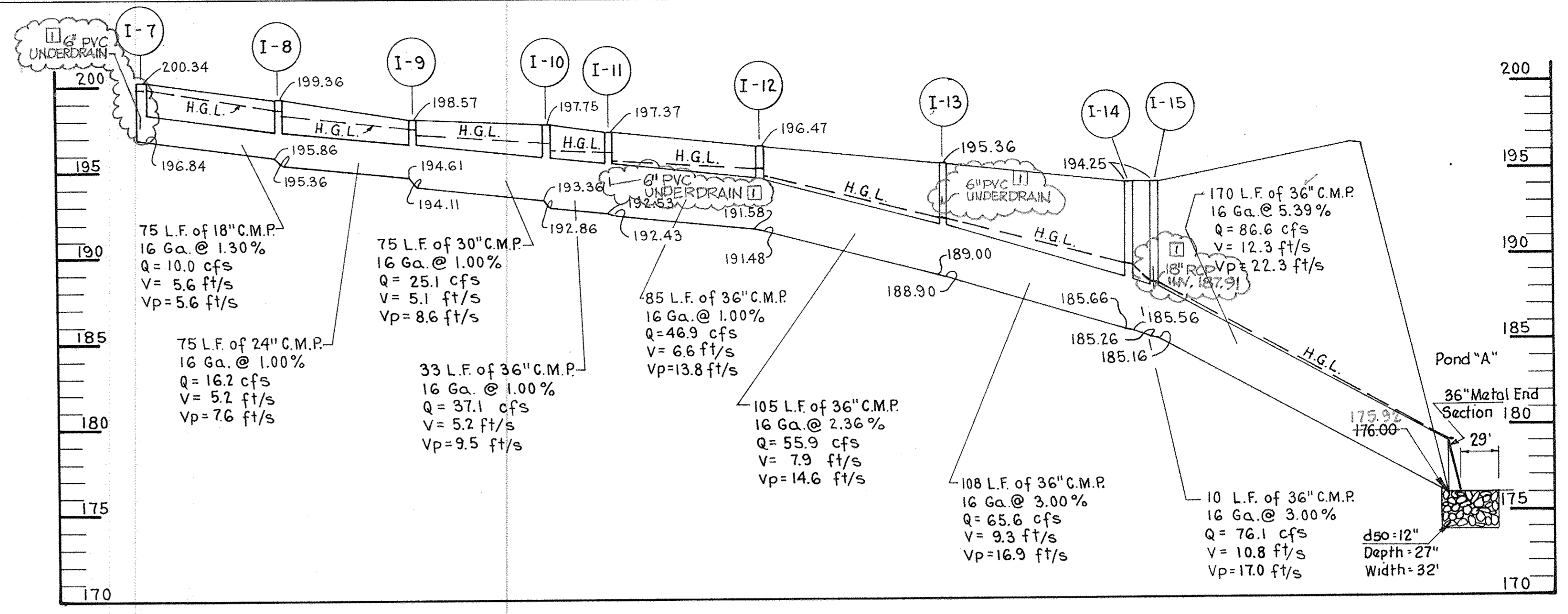
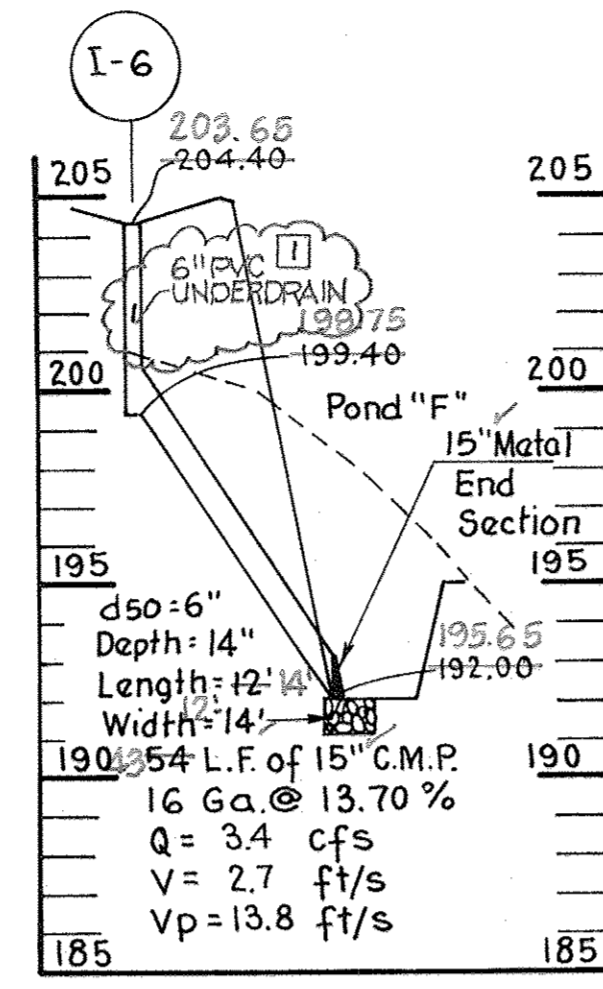
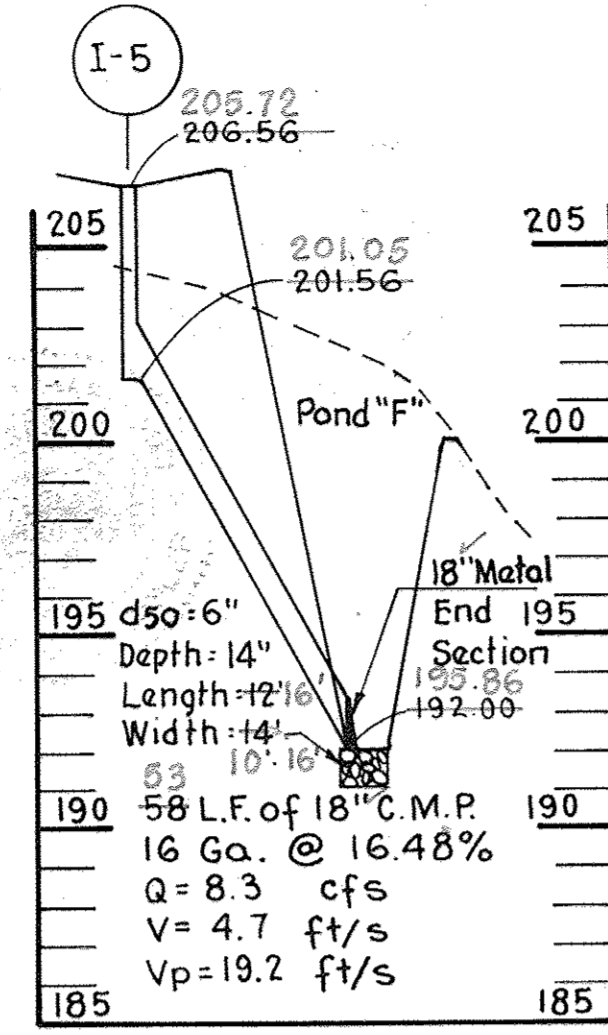
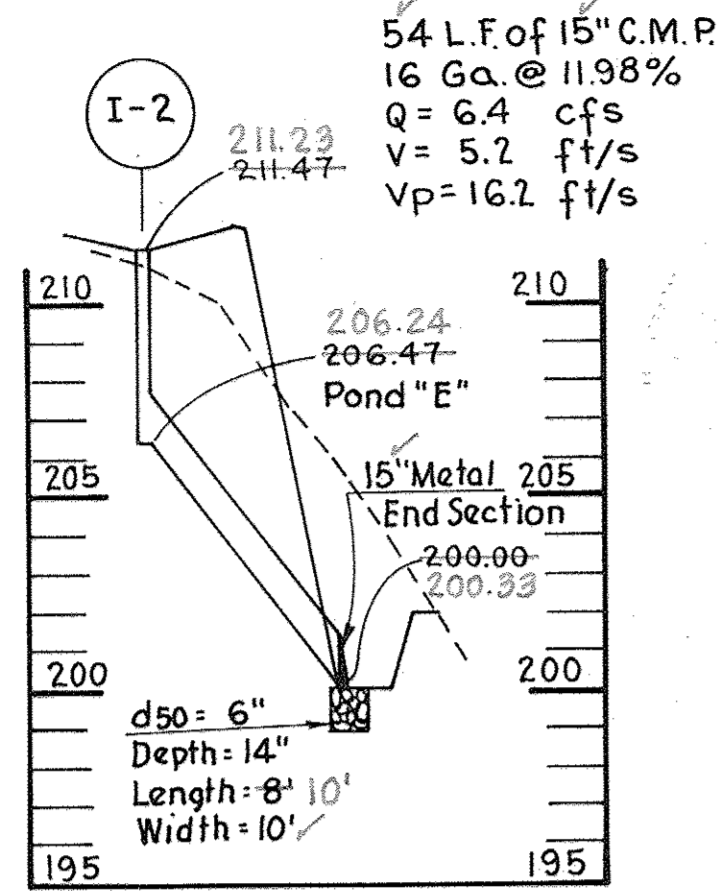
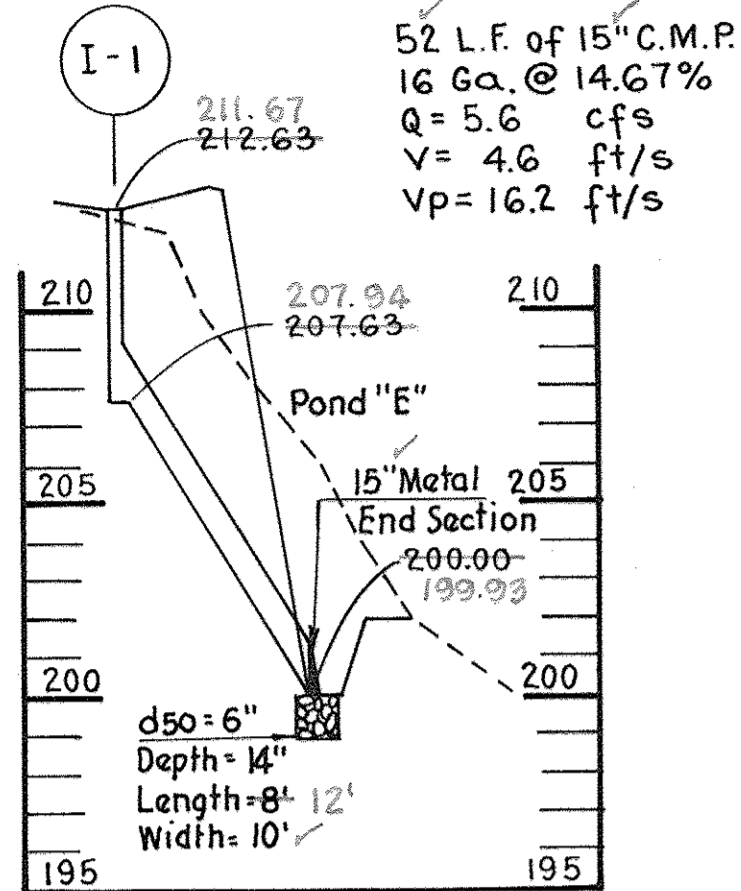
TAX MAP 48 PARCEL 128, 126 & 12
6TH ELECTION DISTRICT ZONE M-2
HOWARD COUNTY, MARYLAND

TITLE: WATER AND SANITARY SEWER
PROFILES AND TYPICAL SECTION

benatec associates
ENGINEERING ■ ARCHITECTURE ■ TECHNOLOGY
101 Erford Road, Camp Hill, PA 17011-8866

DESIGNED BY: LRM
DRAWN BY: JS & WG
PROJECT NO. 82910
DATE: MARCH 3, 1989
SCALE: AS SHOWN
DRAWING NO. 10 OF 15





OWNER - PARCEL 128:
STATE OF MARYLAND
DEPARTMENT OF PUBLIC SAFETY
AND CORRECTIONAL SERVICES
SUITE 310
6776 REISTERSTOWN RD.
BALTIMORE, MD 21215

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
Joan Boyle 1/4/90
County Health Officer Date

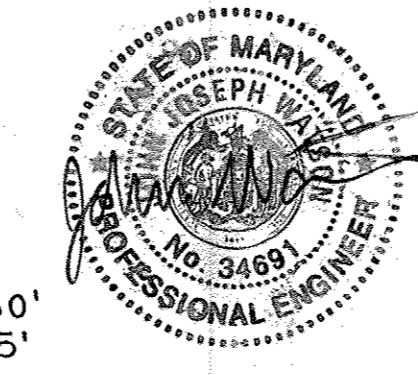
APPROVED: Howard County Department of Planning & Zoning
W. R. ... 1.8.90
Director Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works
James J. ... 12/28/89
Director Date

... 12.22.89
Chief Bureau of Engineering Date

6-21-89	1	As per Howard Co. Comments of 4-12-89
DATE NO.		REVISION
DEVELOPER:		
CSX TRANSPORTATION 100 NORTH CHARLES STREET BALTIMORE, MD 21201		
CSX AUTO DISTRIBUTION CENTER		
AT JESSUP		
TAX MAP 48	PARCEL 128, 126 & 12	ZONE M-2
6TH ELECTION DISTRICT	HOWARD COUNTY, MARYLAND	
TITLE: DETAIL SHEET		

PROFILES
Scale: Hor. 1" = 50'
Vert. 1" = 5'



ENGINEERING CERTIFICATION
I HEREBY CERTIFY THAT THE REVISIONS SHOWN AS REVISION (1) ON THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
John Watson
JOHN WATSON, MD RE. NO. 34691

APPROVED
DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE: 9-19-2017

REVISION 1 9/06/2017
6" UNDERDRAIN AND 12" RCP CONNECTION ADDED TO THE EXISTING STORM DRAIN SYSTEM.



benatec associates
ENGINEERING ■ ARCHITECTURE ■ TECHNOLOGY
101 Erford Road, Camp Hill, PA 17011-8866

DESIGNED BY: LRM
DRAWN BY: WG
PROJECT NO. 82910
DATE: MARCH 3, 1989
SCALE: AS SHOWN
DRAWING NO. 11 OF 15

CONCRETE CRADLE FOR 48" RCP UNDER DRIVEWAY ON WETLAND
N.T.S.

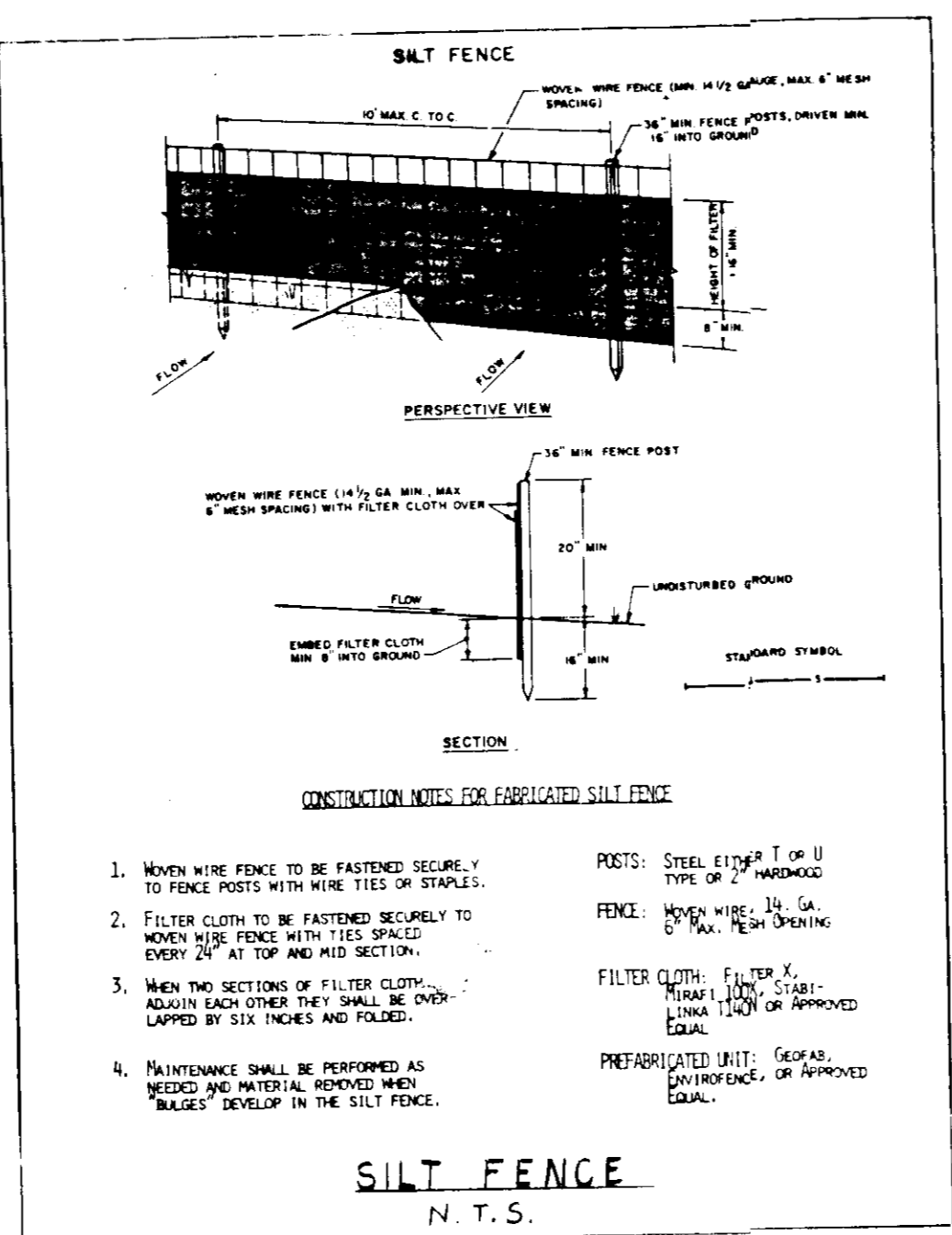
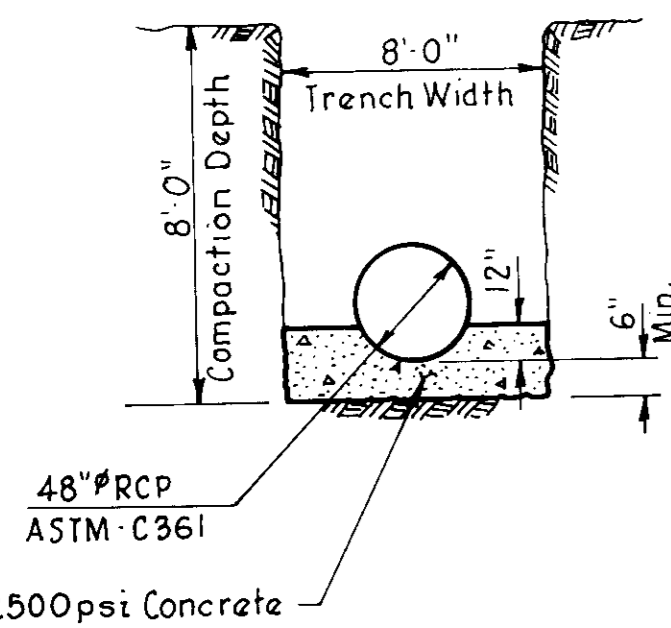
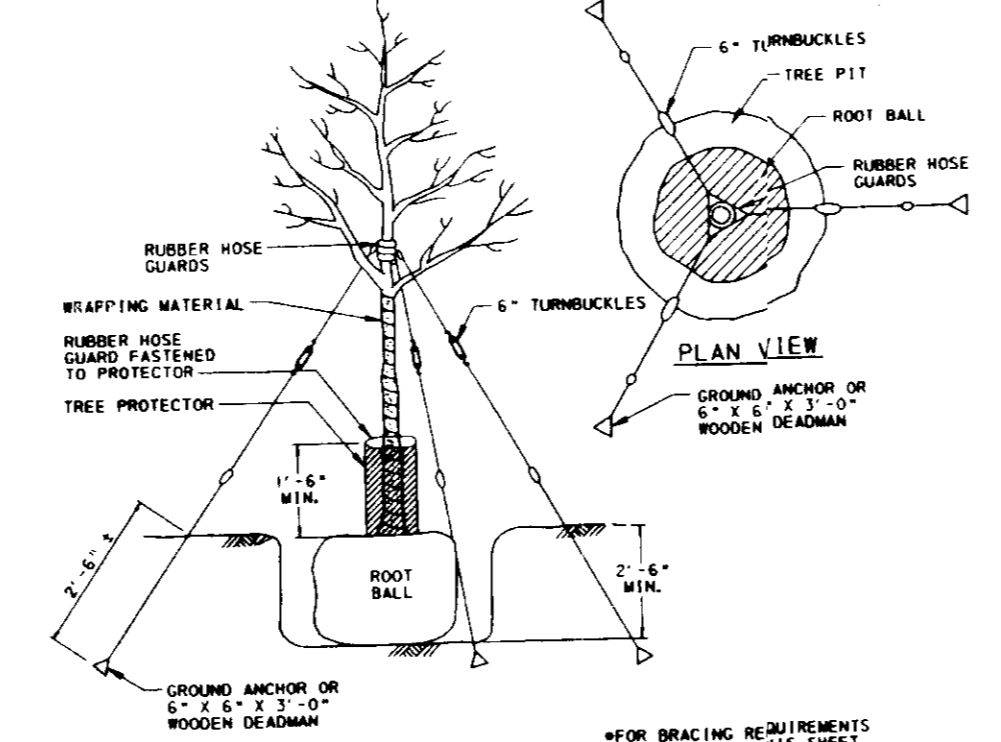
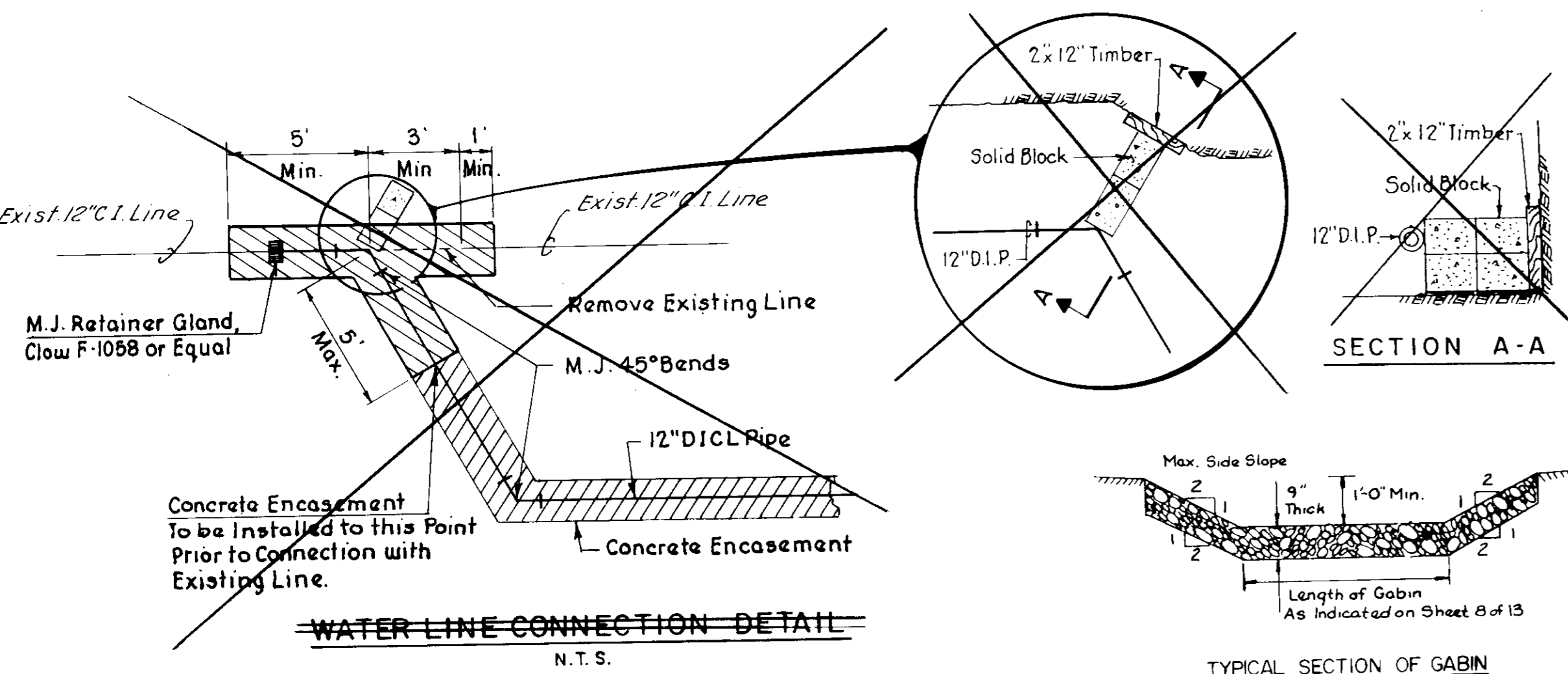


TABLE A BRACING REQUIREMENTS

BRACING TYPE	DECIDUOUS	TREE SIZE	EVERGREEN	MINIMUM POST LENGTH	STAKE BRACE TYPE	REQUIRED POST SIZES
1	OVER 3 1/2" CAL.	OVER 8'-0" HT.	OVER 8'-0" HT.	6'-6"	CHAMBER BAR	1 1/2" LB. POST #2-7
2	1 1/2" TO 2 1/2" CAL.	6'-0" TO 8'-0" HT.	6'-0"	8'-0"	CHAMBER BAR	1 1/2" LB. POST #2-7
2	2 1/2" TO 3 1/2" CAL.	11'-0"	11'-0"	11'-0"	CHAMBER BAR	2 LB. POST #2-7
3	OVER 3 1/2" CAL.	OVER 12'-0" HT.	OVER 12'-0" HT.	12'-6"	CHAMBER BAR	3 LB. POST #2-7
3	5'-0" HT. TO 1 1/2" CAL.	8'-0"	8'-0"	8'-0"	WOOD	2" x 2" FULL DIM.

ROUND WOOD STAKES MAY BE SUBSTITUTED AS FOLLOWS:
1. 5" x 5" DIAMETER ROUND STAKE AND
2. 5" x 5" DIAMETER ROUND STAKE.



- SEDIMENT CONTROL NOTES**
- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (992-2437).
 - All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1; b) 14 days as to all other disturbed or graded areas on the project site.
 - All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50), and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 - All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 - Site Analysis:
 - Total Area of Site: 68.10 Acres
 - Area Disturbed: 37.50 Acres
 - Area to be Roofed or Paved: 32.646 Acres
 - Area to be Vegetatively Stabilized: 24.854 Acres
 - Total Cut: 283,600 Cu. Yds.
 - Total Fill: 222,300 Cu. Yds.
 - Offsite Waste/Borrow Area Location: NONE
 - Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 - Additional sediment controls must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
 - Approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sedimentation controls, but before proceeding with any other earth disturbance or grading.
 - Sediment will be removed from traps when its depth reaches the cleanout elevation shown on the plans.

- PERMANENT SEEDING NOTES**
- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Seedbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- Soil Amendments:** Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil.
- Seeding:** For the periods March 1 through April 30, and August 1 through October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 sq. ft.) of weeping lovegrass. During the period of October 16 through February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring; Option (2) use sod. Option (3) seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- Mulching:** Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.
- Maintenance:** Inspect all seeded areas and make needed repairs, replacements and reseedings.
- TEMPORARY SEEDING NOTES**
- Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.
- Seedbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- Soil Amendments:** Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.).
- Seeding:** For the periods March 1 through April 30, and August 15 through November 15, seed with 140 lbs. per acre of annual rye (3.2 lbs./1000 sq. ft.). For the period of May 1 through August 14, seed with 3 lbs. per acre of weeping lovegrass (0.7 lbs./1000 sq. ft.). For the period of November 16 through February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring or use sod.
- Mulching:** Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.

BY THE DEVELOPER:

"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

Thomas M. Templeton, P.E. 3/17/89
Signature of Developer Date

BY THE ENGINEER:

"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."

Thomas M. Templeton, P.E. 3/2/89
Signature of Engineer Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

James M. Hester 12/21/89
Date

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

Robert J. Zelman 12/21/89
Date

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department

James R. Boyler 1-4-90
County Health Officer Date

APPROVED: Howard County Department of Planning & Zoning

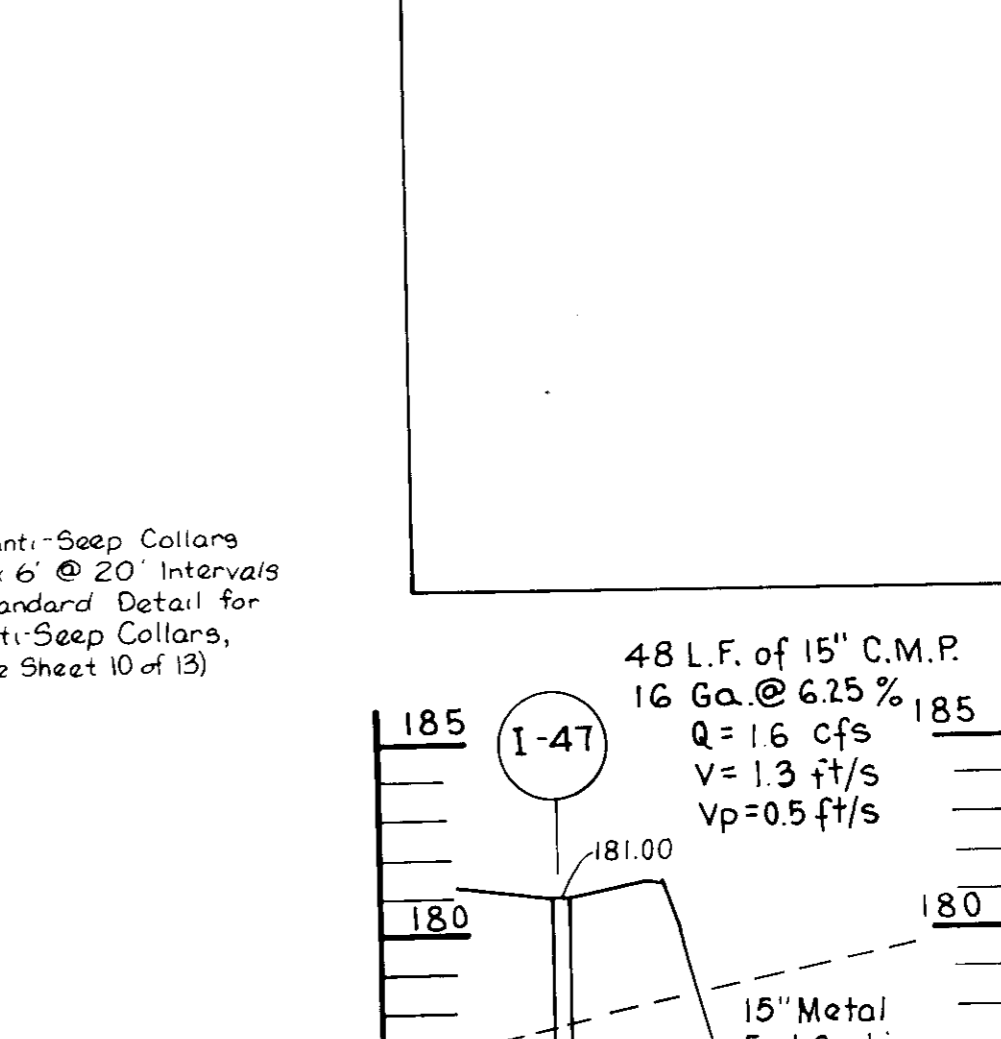
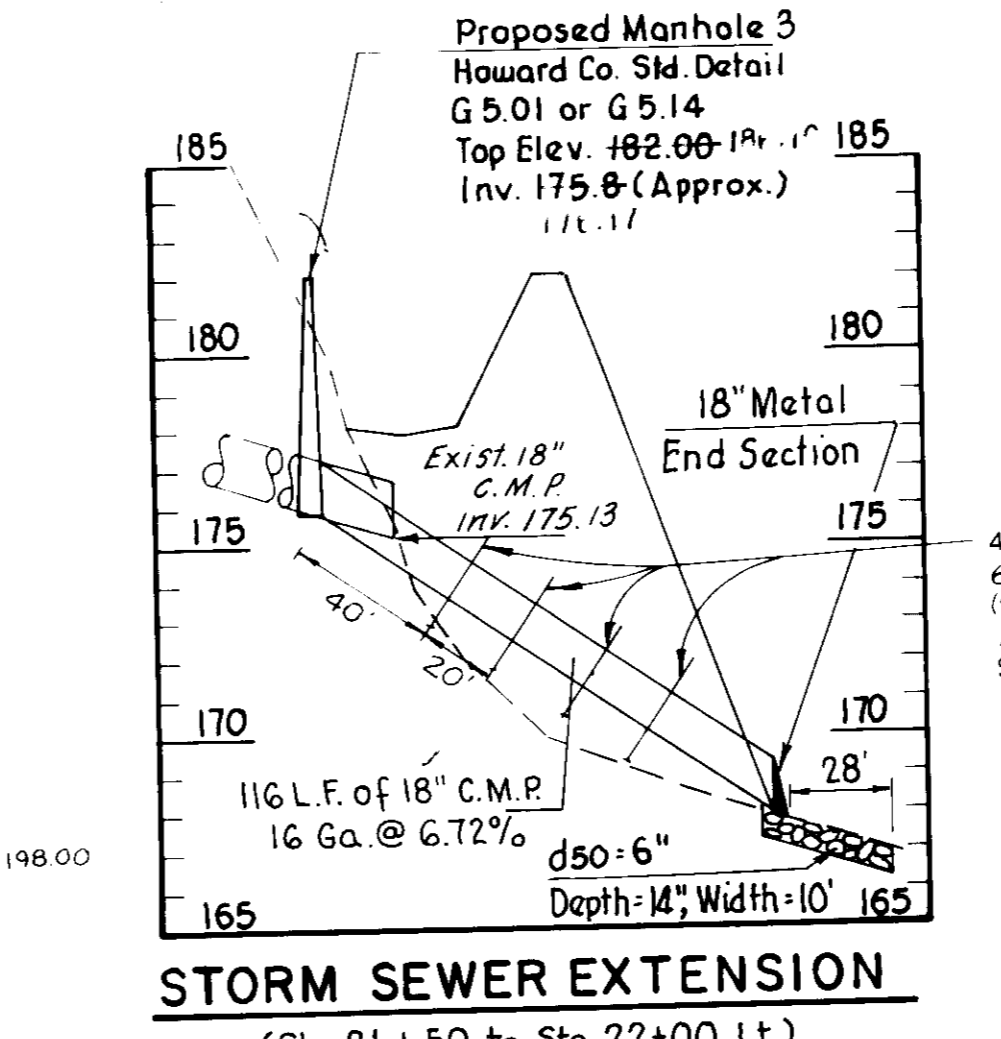
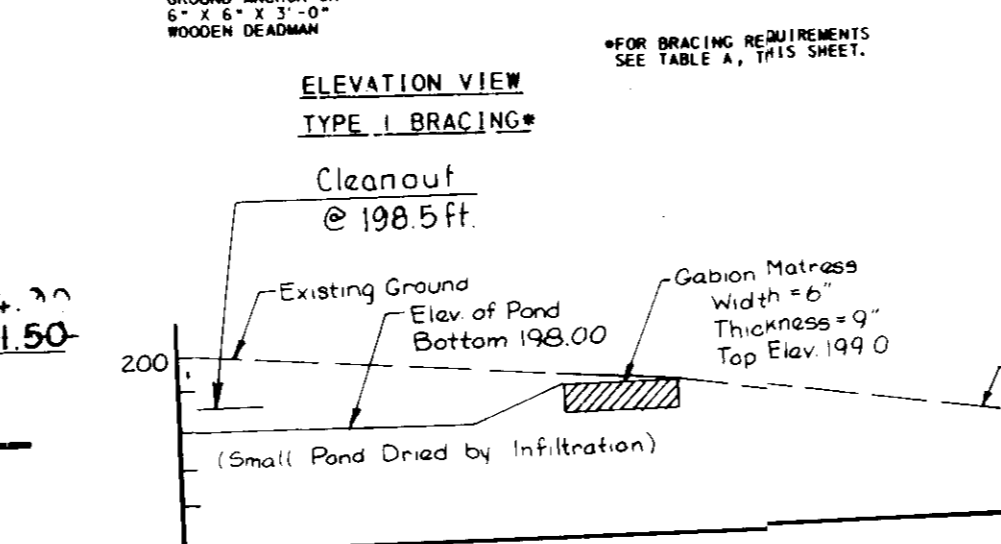
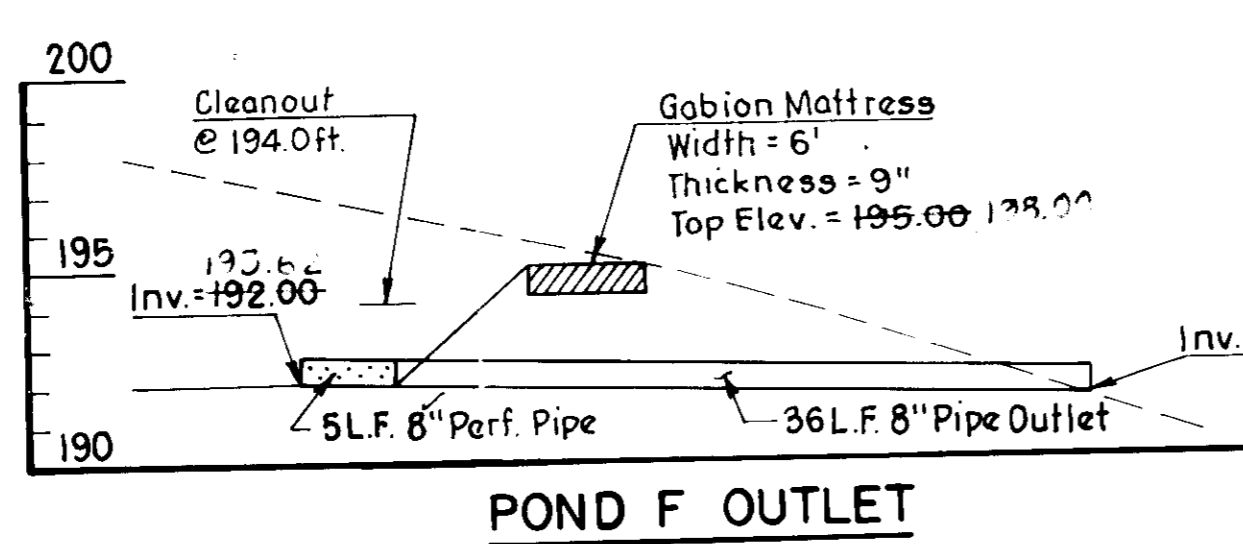
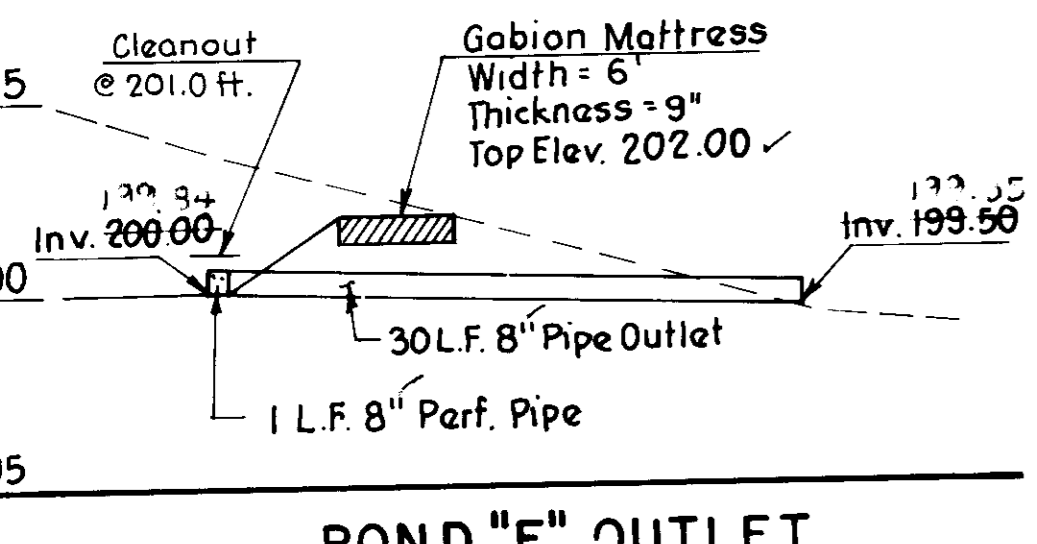
Walt 1-8-90
Director Date

James J. P. Cargill 1-8-90
Chief, Division of Community Planning and Land Development Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works

James J. P. Cargill 12-21-89
Director Date

James J. P. Cargill 12-21-89
Chief Bureau of Engineering Date



CONSTRUCTION SPECIFICATION FOR PONDS

Scale: Hor. 1" = 50'
Vert. 1" = 5'

PROFILES

Profile I-40: 170 L.F. of 24" C.M.P. 16 Ga. @ 1.3% Q = 125 cfs V = 4.0 ft/s Vp = 8.1 ft/s

Profile I-41: 75 L.F. of 30" C.M.P. 16 Ga. @ 0.63% Q = 322 cfs V = 6.6 ft/s Vp = 6.6 ft/s

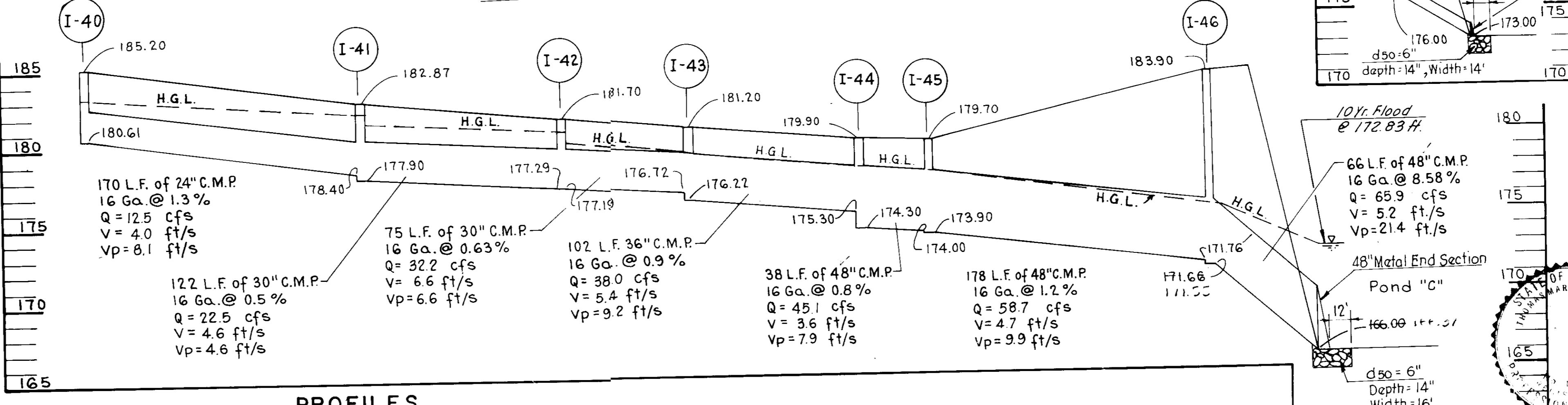
Profile I-42: 102 L.F. of 36" C.M.P. 16 Ga. @ 0.9% Q = 380 cfs V = 5.4 ft/s Vp = 9.2 ft/s

Profile I-43: 38 L.F. of 48" C.M.P. 16 Ga. @ 0.8% Q = 451 cfs V = 3.6 ft/s Vp = 7.9 ft/s

Profile I-44: 178 L.F. of 48" C.M.P. 16 Ga. @ 1.2% Q = 587 cfs V = 4.7 ft/s Vp = 9.9 ft/s

Profile I-45: 178 L.F. of 48" C.M.P. 16 Ga. @ 1.2% Q = 587 cfs V = 4.7 ft/s Vp = 9.9 ft/s

Profile I-46: 178 L.F. of 48" C.M.P. 16 Ga. @ 1.2% Q = 587 cfs V = 4.7 ft/s Vp = 9.9 ft/s



CSX AUTO DISTRIBUTION CENTER

AT JESSUP

TAX MAP 48 PARCEL 128, 126 & 12
6TH ELECTION DISTRICT ZONING M-2
HOWARD COUNTY, MARYLAND

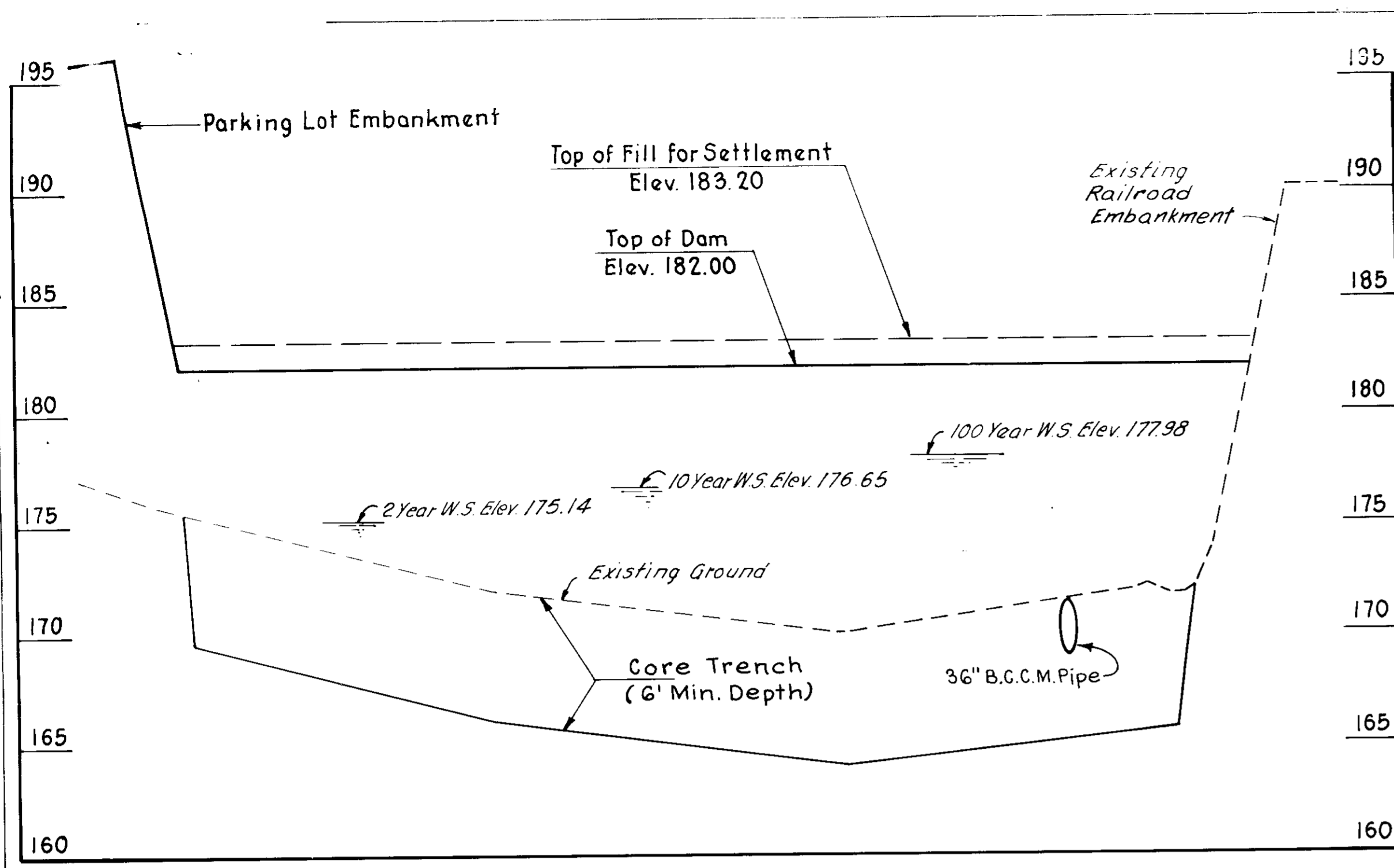
TITLE: STORM DRAIN PROFILES AND DETAILS

benetac associates
ENGINEERING ARCHITECTURE TECHNOLOGY
101 Erford Road, Camp Hill, PA 17011-8866

DESIGNED BY: LRM
DRAWN BY: WG & JS
PROJECT NO.: 82910
DATE: MARCH 3, 1989
SCALE: AS SHOWN
DRAWING NO. 12 OF 15

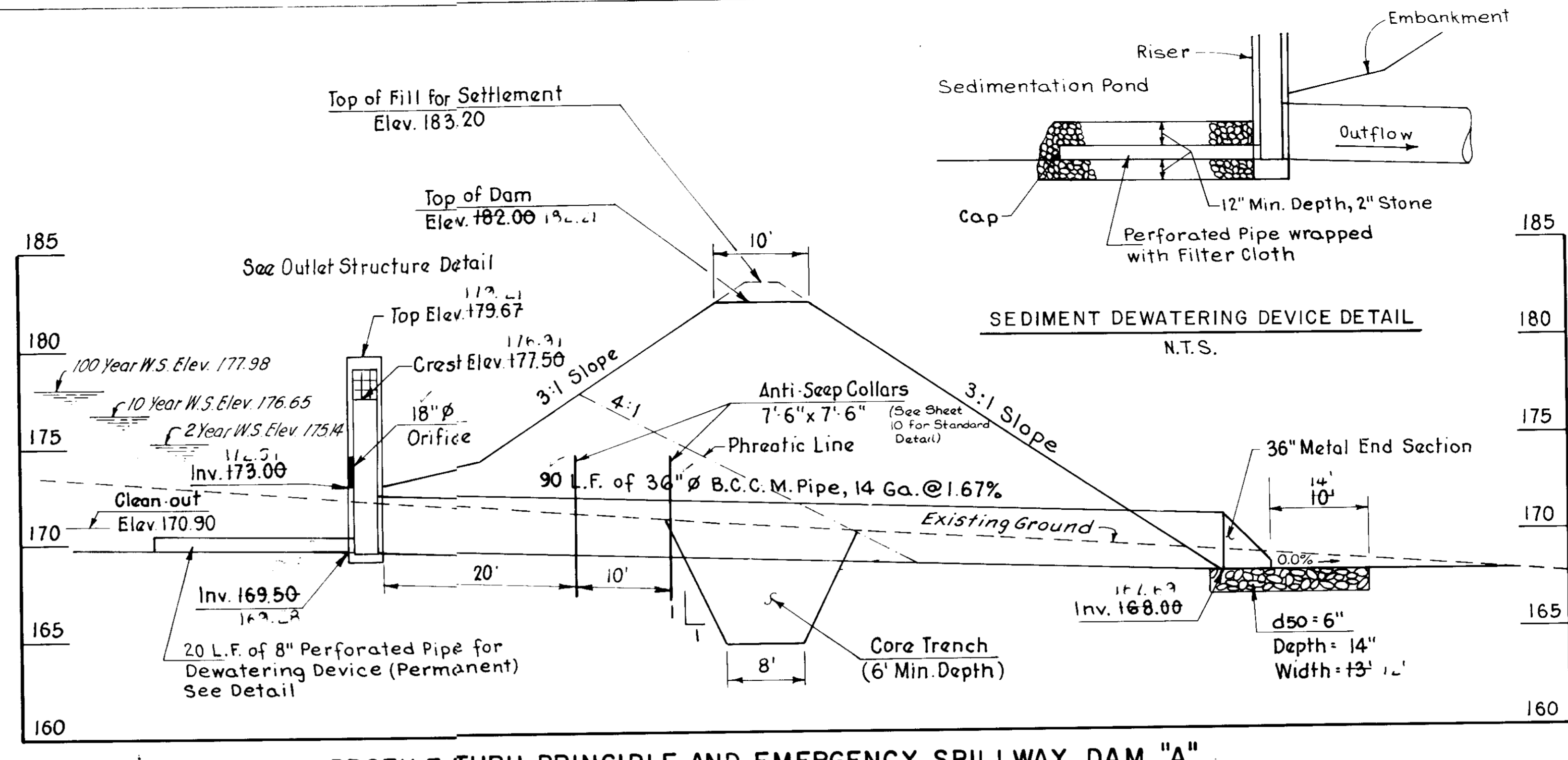
DATE: 3-02-89

Thomas M. Templeton, P.E. 15339
PROFESSIONAL ENGINEER



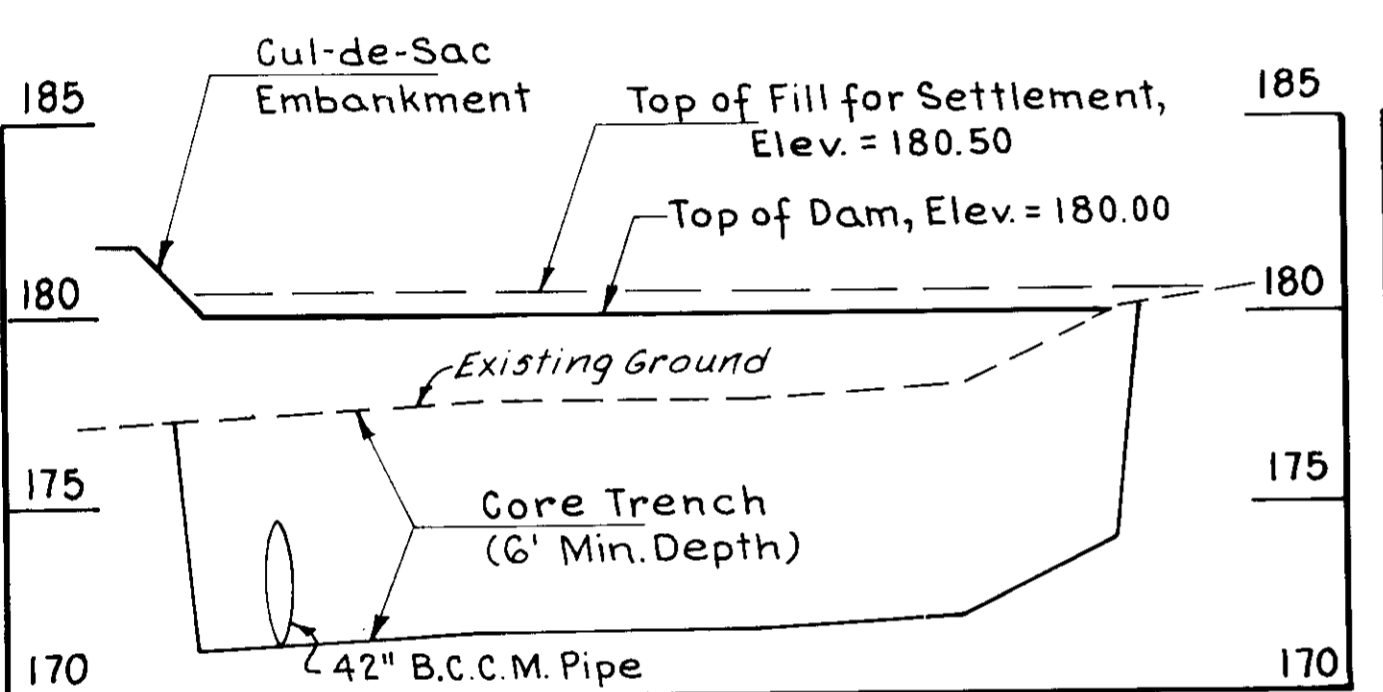
PROFILE THRU & DAM "A"

Note: Bottom of Pond "B" shall be Excavated to 1.5 feet above finished Grade for Sedimentation Pond.
SCALE: Hor. 1" = 50'
Ver. 1" = 5'



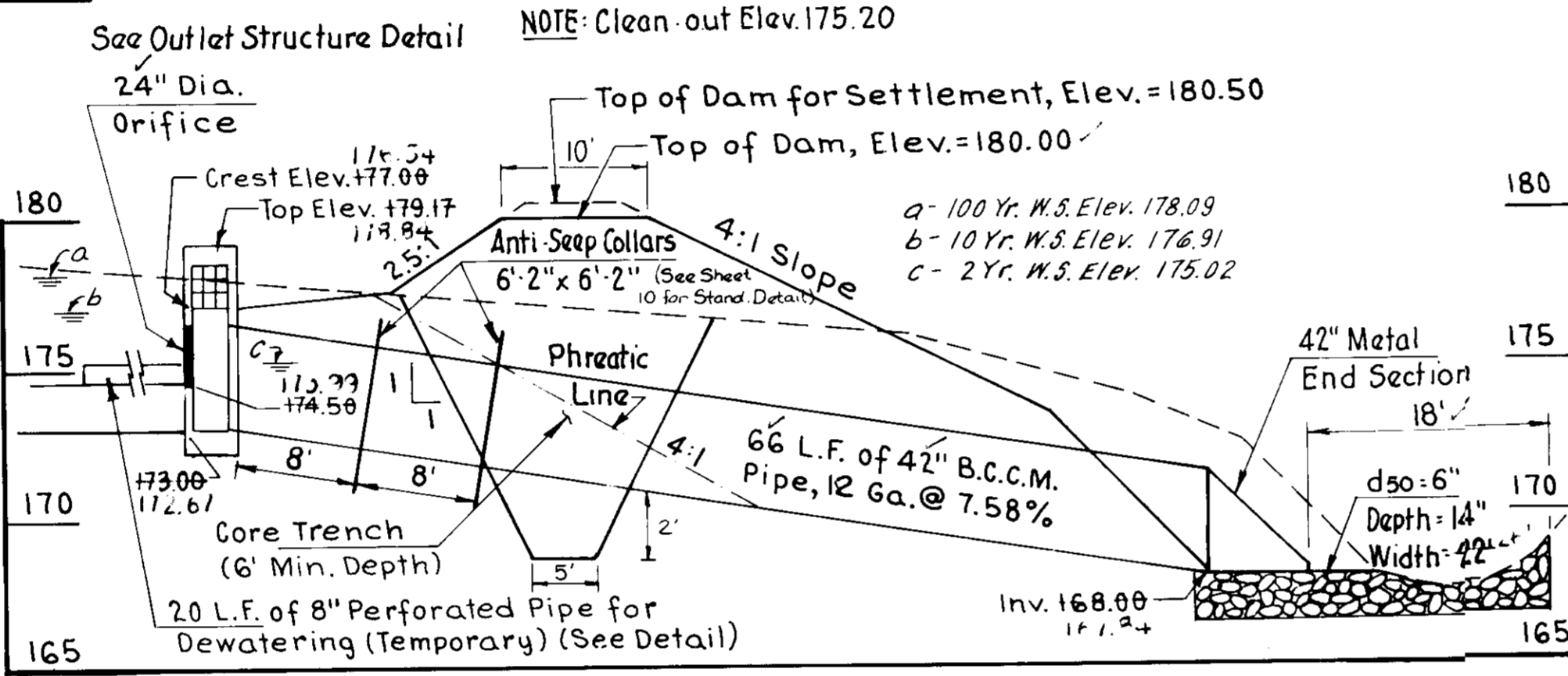
PROFILE THRU PRINCIPLE AND EMERGENCY SPILLWAY DAM "A"

NOTE: Clean-out Elev. 175.20



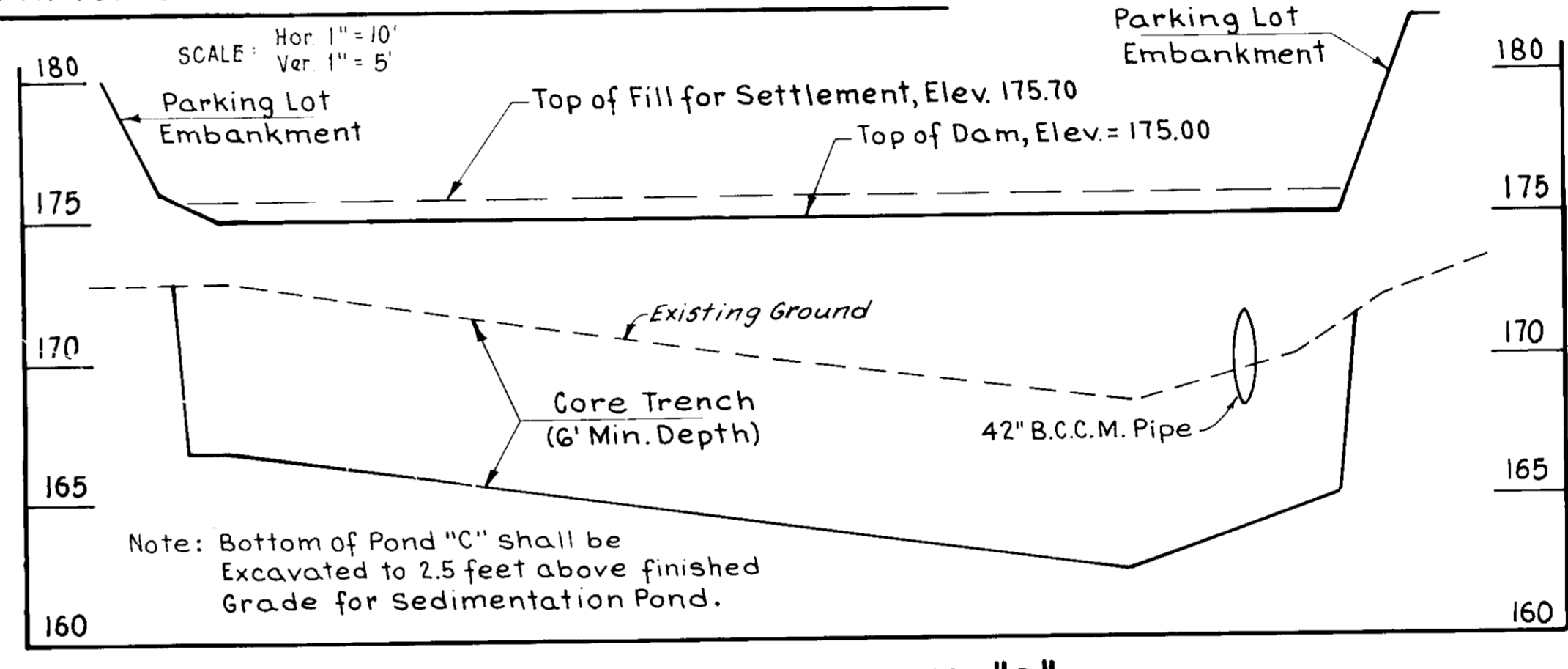
PROFILE THRU & DAM "B"

SCALE: Hor. 1" = 50'
Ver. 1" = 5'



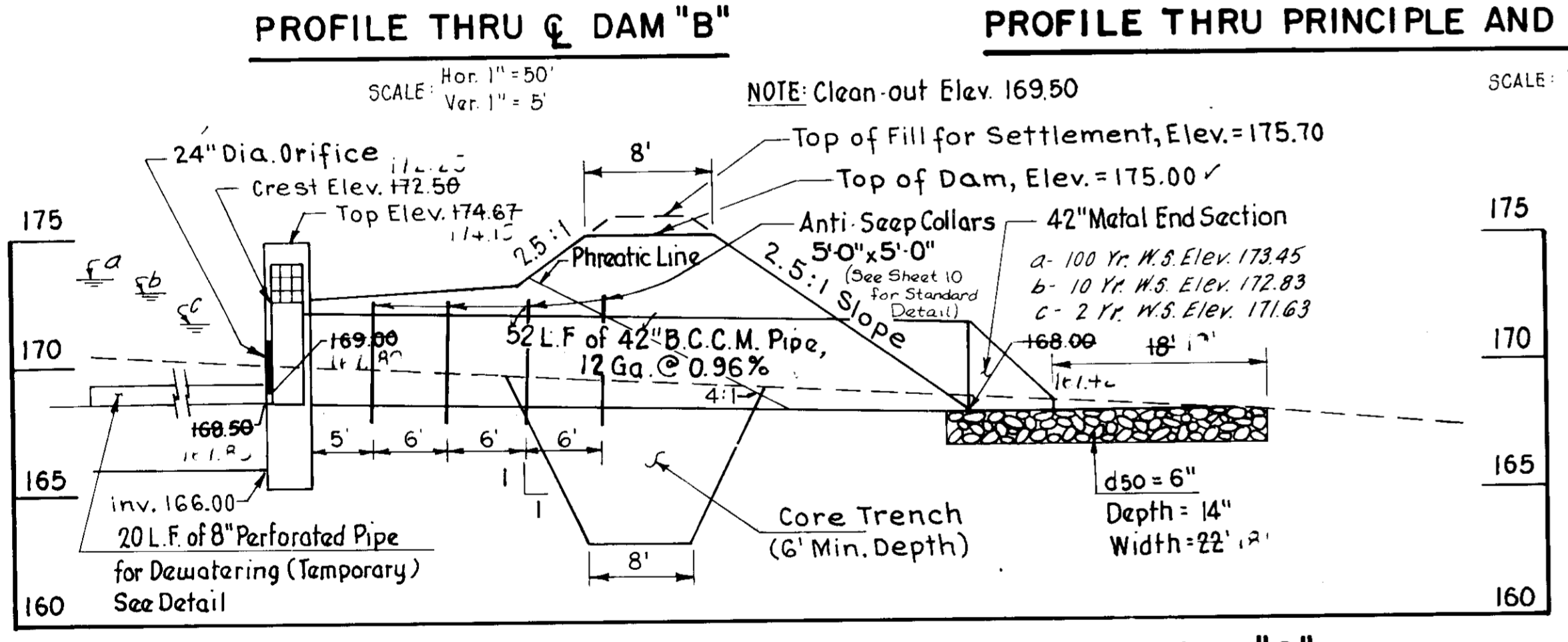
PROFILE THRU PRINCIPLE AND EMERGENCY SPILLWAY DAM "B"

SCALE: Hor. 1" = 10'
Ver. 1" = 5'



PROFILE THRU & DAM "C"

SCALE: Hor. 1" = 50'
Ver. 1" = 5'

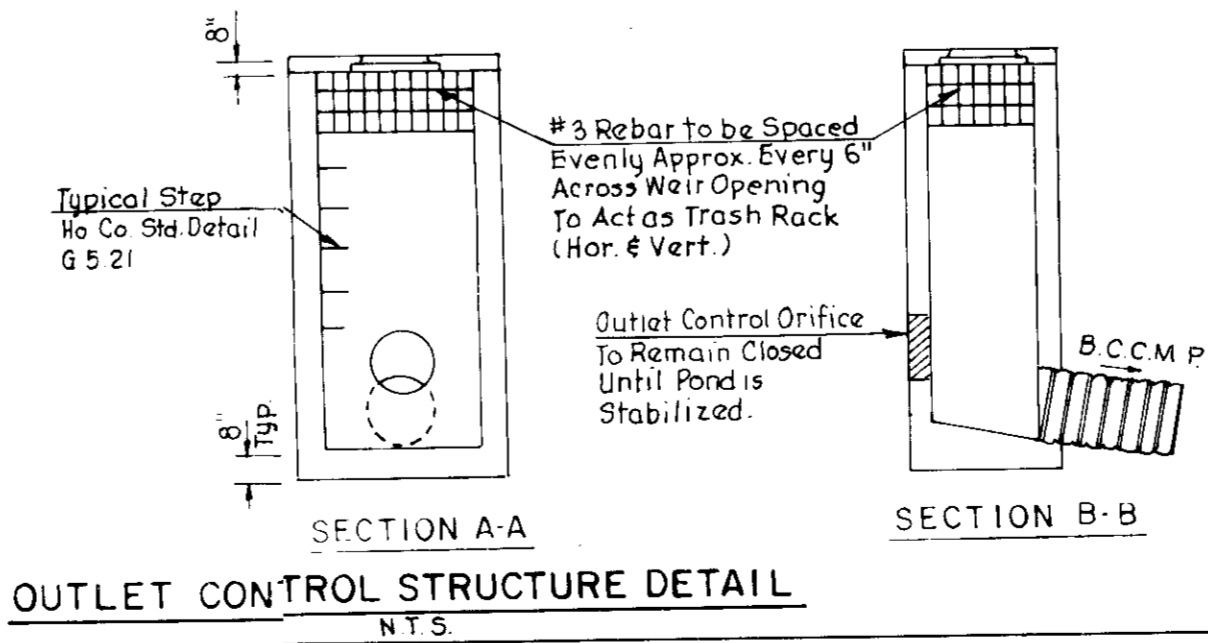
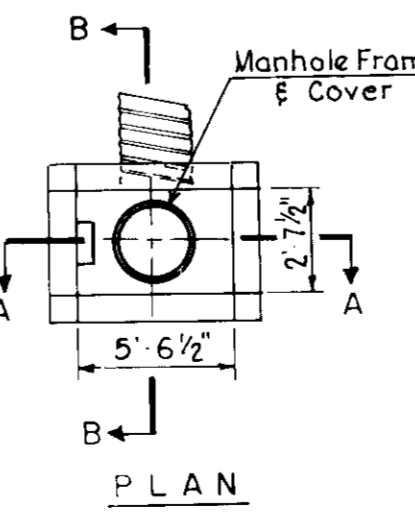


PROFILE THRU PRINCIPLE AND EMERGENCY SPILLWAY DAM "C"

SCALE: Hor. 1" = 10'
Ver. 1" = 5'

STRUCTURE SCHEDULE

Structure No.	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11	1-12
Location	3+38, 75' RT.	4+13, 74' RT.	4+80, 77' RT.	5+29, 79' RT.	7+07, 87' RT.	8+09, 92' RT.	10+50, 150' RT.	11+29, 143' RT.	12+12, 137' RT.	12+89, 120' RT.	13+26, 107' RT.	14+11, 75' RT.
Type	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn
Top Elevation	212.63	211.47	210.45	209.72	206.56	204.40	200.34	199.36	198.57	197.75	197.37	196.47
Invert In	-	204.82	-	-	-	-	-	195.86	194.61	193.36	192.53	191.58
Invert Out	207.63	206.47	205.45	204.32	201.56	199.40	196.84	195.36	194.11	192.86	192.43	191.48
Structure No.	1-13	1-14	1-15	1-20	1-21	1-22	1-30	1-31	1-32	1-33	1-34	MH-1
Location	15+15, 34' RT.	16+20, 41' RT.	16+32, 9' LT.	9+26, 397' RT.	12+50, 383' RT.	15+27, 263' RT.	6+85, 741' RT.	9+34, 728' RT.	11+74, 717' RT.	13+25, 708' RT.	15+19, 700' RT.	15+24, 466' RT.
Type	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn	Precast MH
Top Elevation	195.36	194.25	194.25	199.12	195.90	192.78	199.90	196.76	193.76	191.28	189.52	192.00
Invert In	189.60	185.66	185.26	-	191.68	183.78	-	193.55	189.48	186.93	185.13	183.88
Invert Out	188.90	185.56	185.16	195.72	191.58	182.28	196.60	192.55	189.38	186.83	185.03	183.78
Structure No.	MH-2	1-40	1-41	1-42	1-43	1-44	1-45	1-46	1-47	MH-3		
Location	15+45, 34' RT.	18+41, 667' RT.	19+98, 590' RT.	20+90, 504' RT.	21+33, 439' RT.	21+33, 329' RT.	21+33, 289' RT.	19+68, 227' RT.	21+69, 782' RT.	21+55, 190' LT.		
Type	Precast MH	sgn	sgn	sgn	sgn	sgn	sgn	sgn	sgn	Precast MH		
Top Elevation	195.38	185.20	182.87	181.70	181.20	179.90	179.70	183.90	181.00	182.00		
Invert In	181.14	-	178.40	177.29	176.72	175.30	174.00	171.76	-	175.23		
Invert Out	181.04	180.61	177.90	177.19	176.22	174.30	173.90	171.66	176.00	175.13		



- NOTES:
- All Outlet Control Structures shall be Reinforced Concrete, Double Type 'S' Inlet Boxes. Reinforcement of Structure shall be per Howard Co. Std. Detail SD 4.23.
 - Trash Rack shall be Equally Spaced & Shall be Painted with Non-Corrosive Paint or Epoxy.
 - Provide Typical Manhole Steps per Howard Co. Std. Detail, Plate G 5 21.
 - For Standard Manhole Frame & Cover See Howard Co. Std. Detail SD 9 51.

BY THE DEVELOPER:
"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections by the Howard Soil Conservation District."
Thomas M. Templeton
Signature of Developer 3/17/89 Date

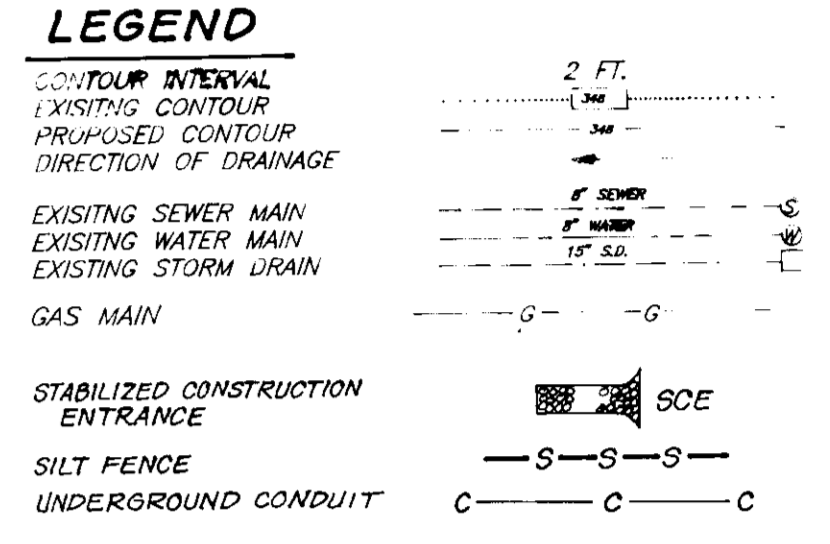
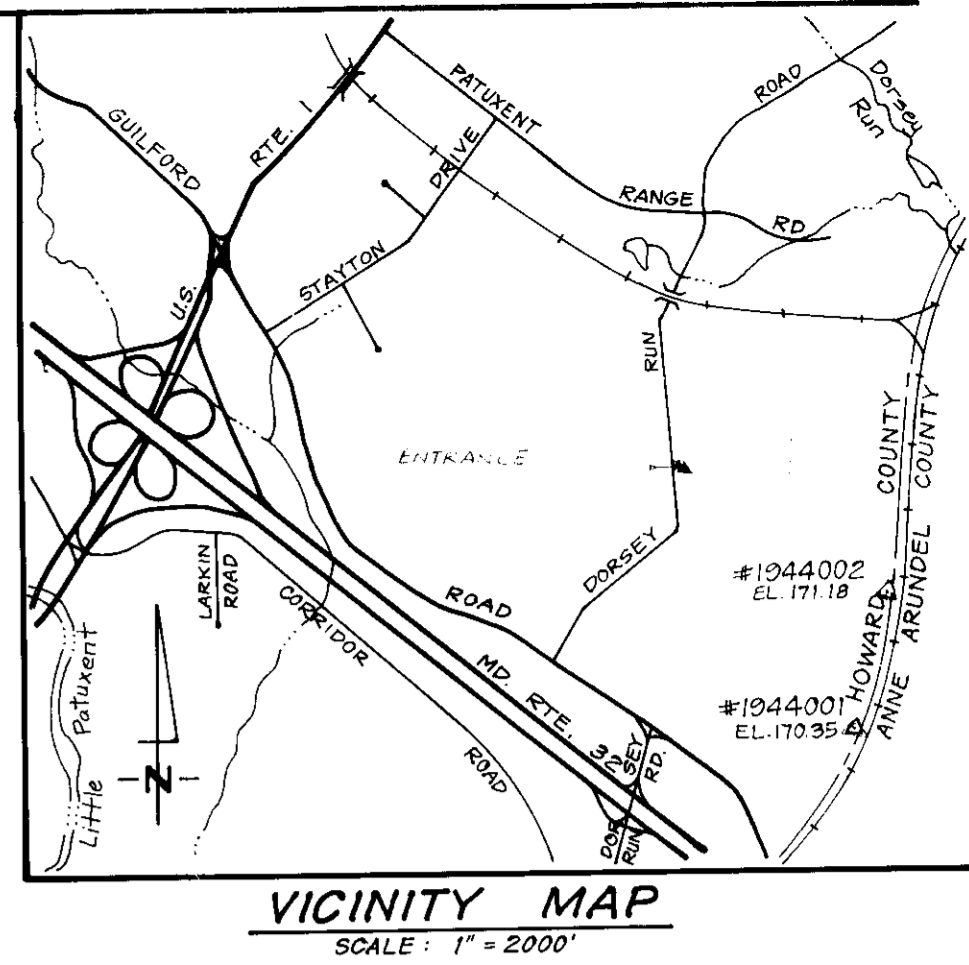
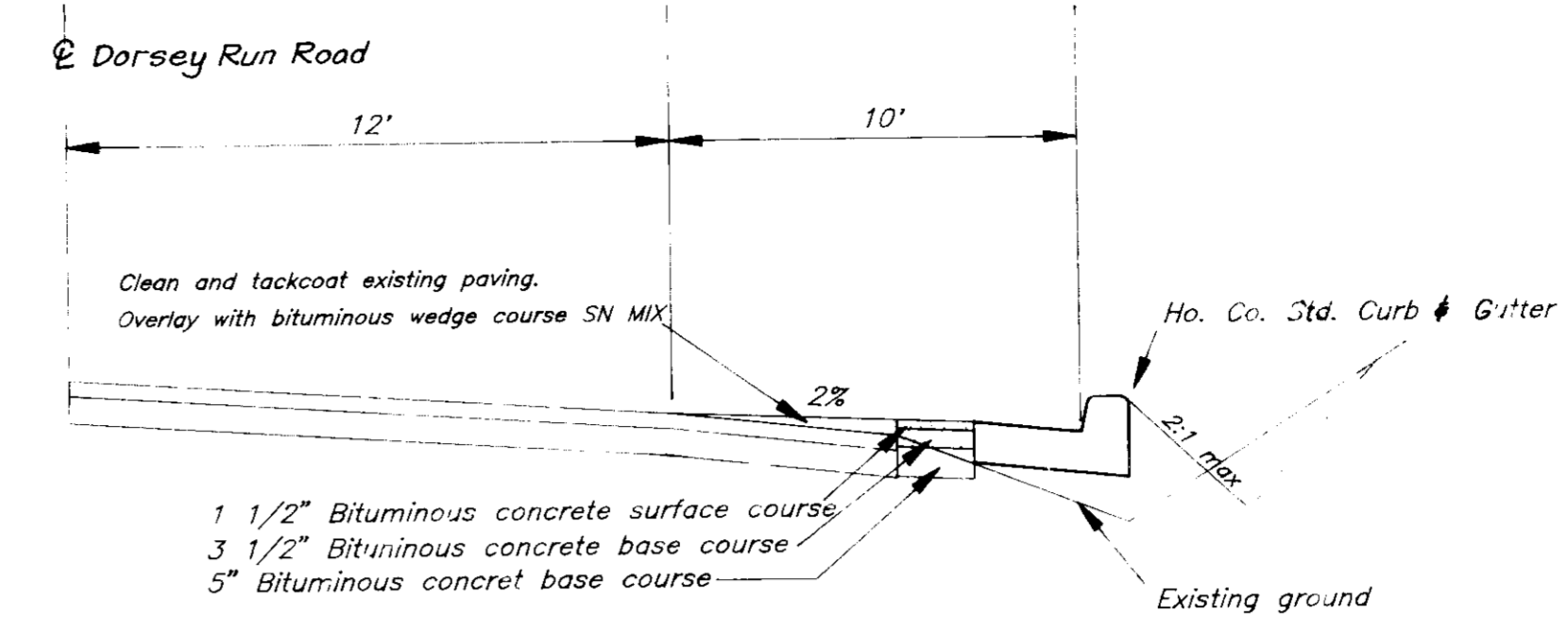
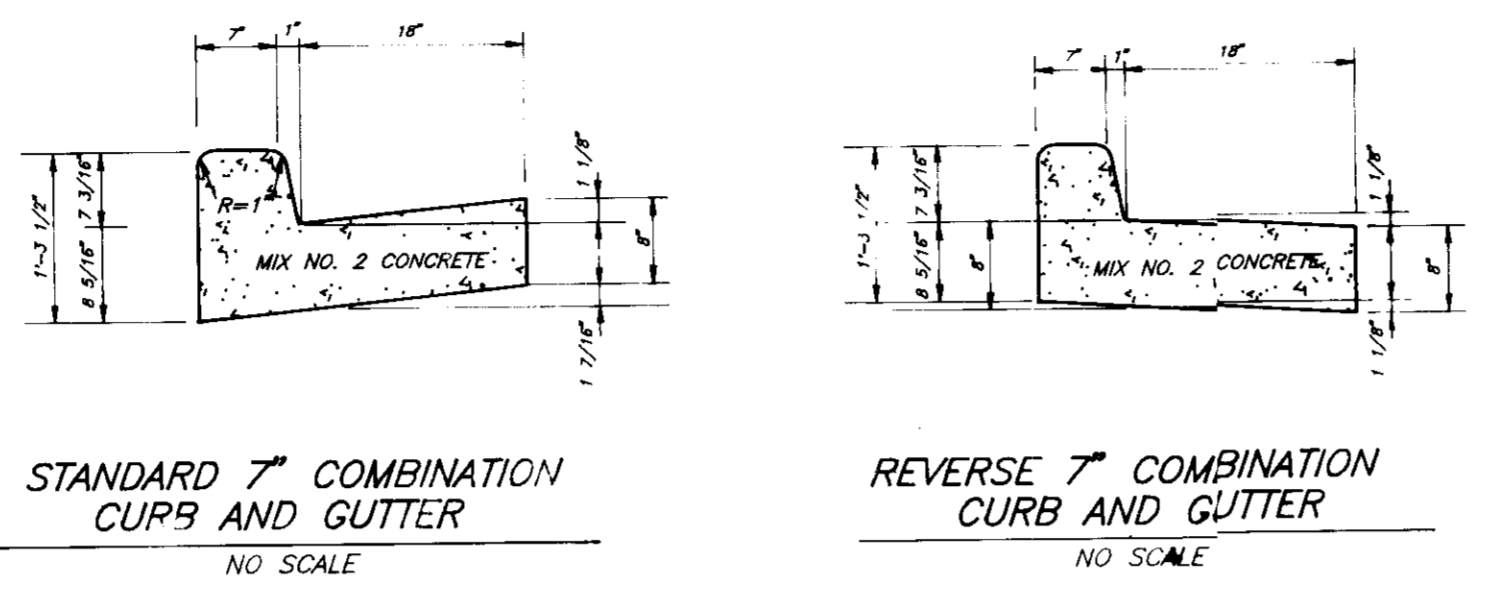
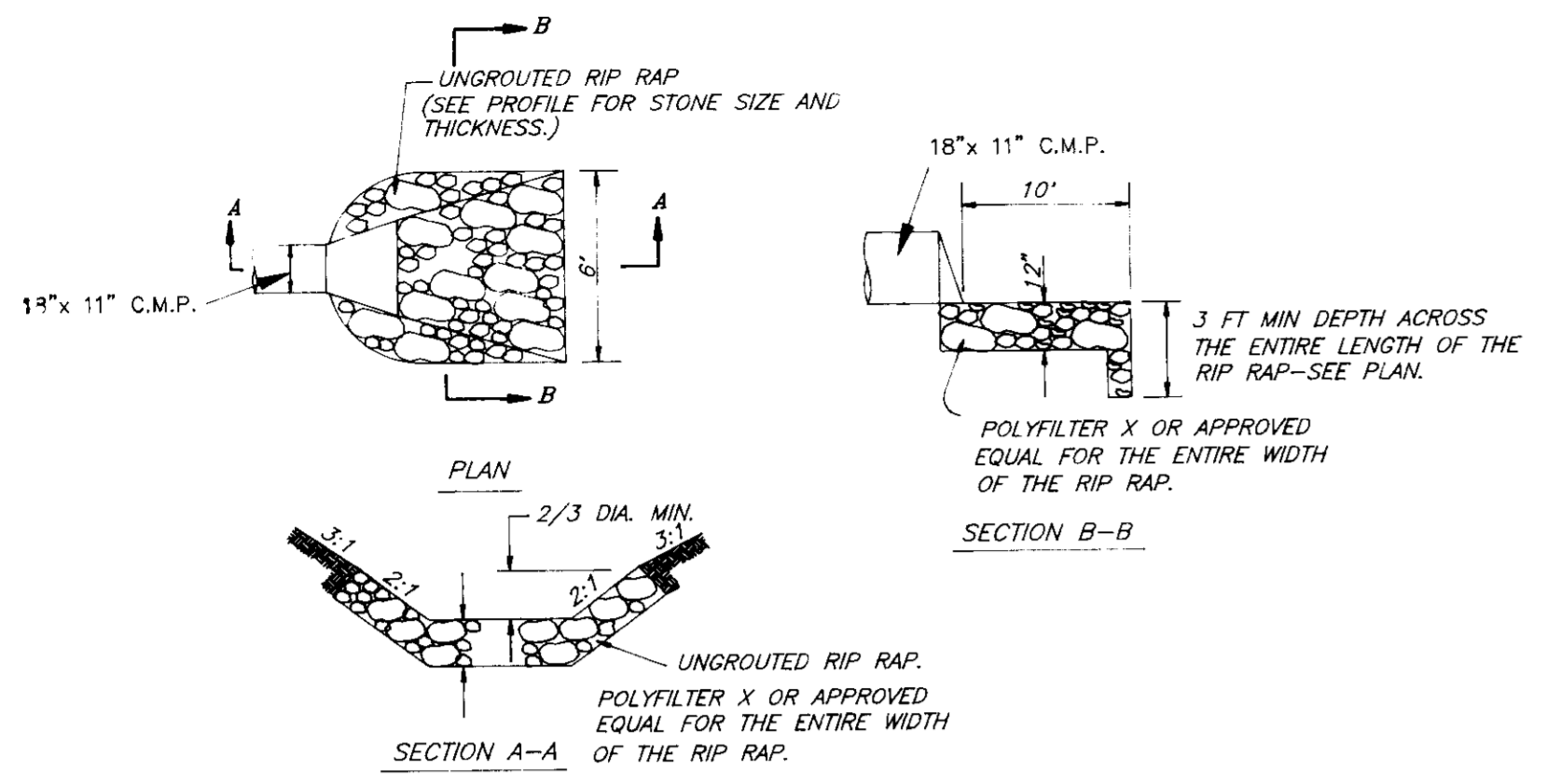
BY THE ENGINEER:
"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."
Thomas M. Templeton P.E.
Signature of Engineer 3/2/89 Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for pond construction, soil erosion and sediment control.
James H. Helm
Soil Conservation Service 12/21/89 Date
These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
Robert W. Zieher
Howard Soil Conservation District 12/21/89 Date

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
Robert Boyden
County Health Officer 1-4-90 Date
APPROVED: Howard County Department of Planning & Zoning
W.R.H.
Director 1-4-90 Date
Richard V. Langell
Chief, Division of Community Planning and Land Development 1-6-90 Date
APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Public Roads, Howard County Department of Public Works
James J. Helm
Director 12-23-89 Date
William B. Raley
Chief Bureau of Engineering 12-23-89 Date

6-21-89 As per Howard Co Comments of 4-12-89
DATE NO. REVISION
DEVELOPER:
CSX TRANSPORTATION
100 NORTH CHARLES STREET
BALTIMORE, MD 21201
CSX AUTO DISTRIBUTION CENTER
AT JESSUP
TAX MAP 48 PARCEL 128, 126 & 12
6TH ELECTION DISTRICT ZONE M-2
HOWARD COUNTY, MARYLAND
TITLE: STORM DRAIN PROFILES AND DETAILS

benatec associates
ENGINEERING ARCHITECTURE TECHNOLOGY
101 Erford Road, Camp Hill, PA 17011-8866
3-02-89
DATE
DESIGNED BY: LRM
DRAWN BY: JS & WG
PROJECT NO.: 82910
DATE: MARCH 3, 1989
SCALE: AS SHOWN
DRAWING NO. 13 OF 15
SDP-89-178

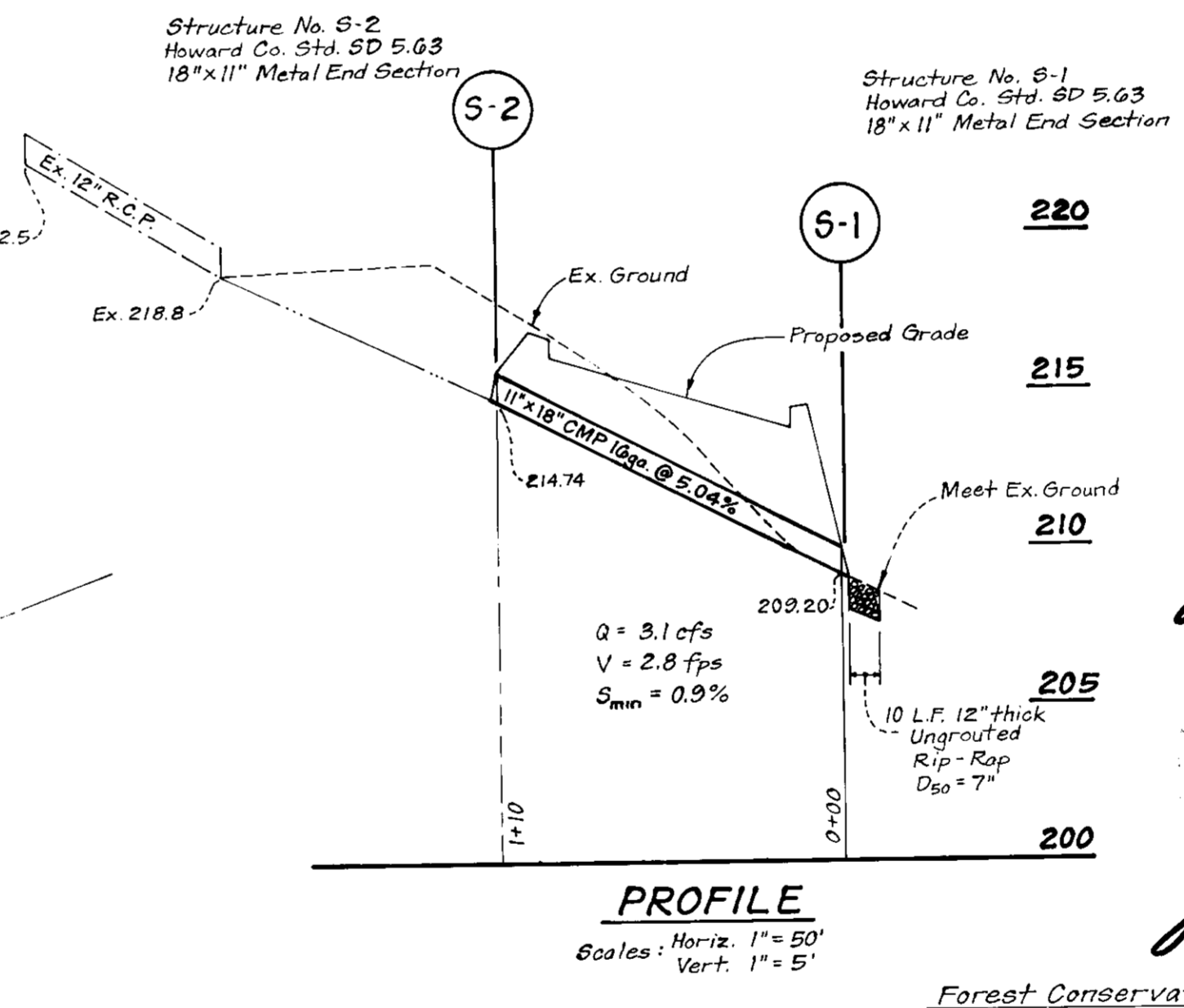
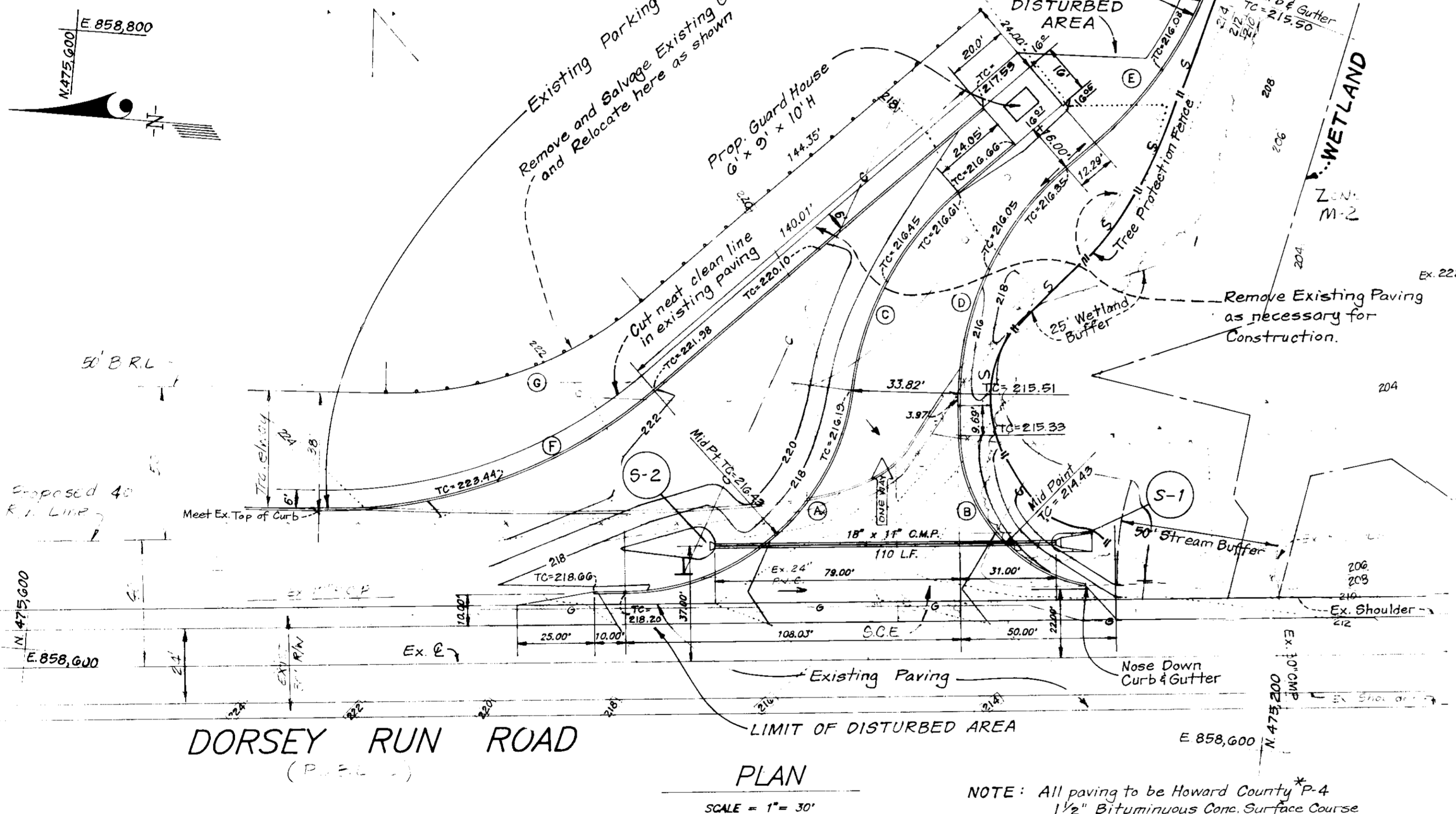
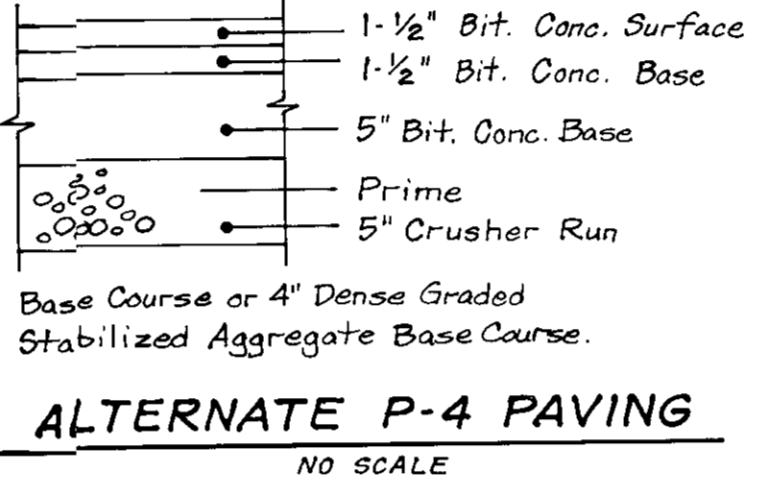


CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
A	75.00'	107.72'	65.53'	98.70'	82°17'34"
B	50.00'	78.54'	50.00'	70.71'	90°00'00"
C	100.67'	74.31'	38.94'	72.63'	42°17'34"
D	100.00'	81.27'	46.83'	84.52'	50°00'00"
E	130.00'	84.10'	32.71'	63.45'	28°15'00"
F	181.00'	117.46'	61.48'	114.87'	41°48'00"
G	123.00'	89.73'	46.97'	87.76'	41°48'00"

SITE ANALYSIS:
PARCEL 12G
ZONING M-2
TOTAL AREA 13.541 Ac.

PREDEVELOPMENT CONDITIONS:
PAVED AREA 12.182 Ac. 89.96%
GREEN AREA 1.023 Ac. 8.16%
DORSEY RUN ROAD RIGHT-OF-WAY 0.336 Ac. 2.48%

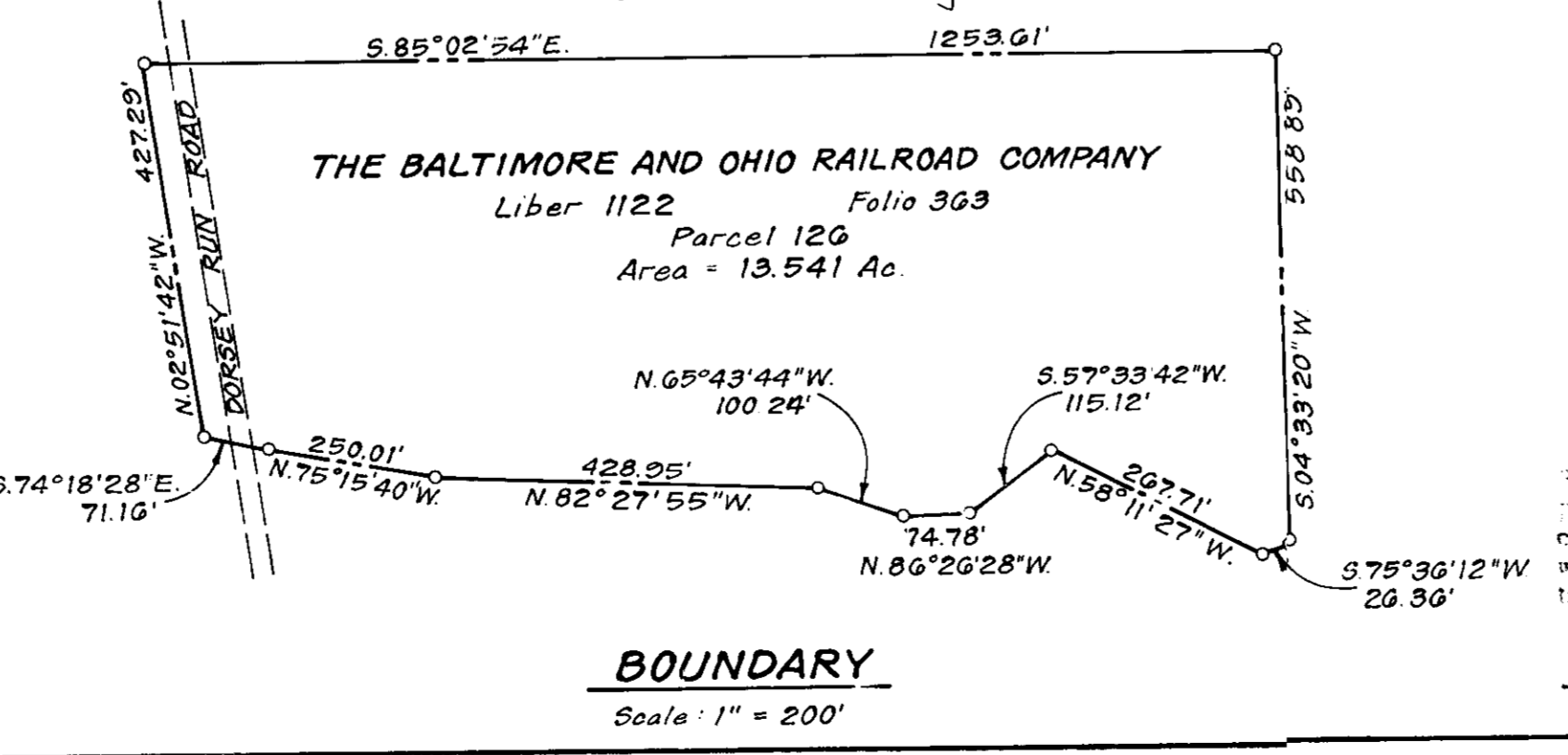
POST-DEVELOPMENT CONDITIONS:
PAVED AREA 12.100 Ac. 89.36%
GREEN AREA 1.105 Ac. 8.16%
DORSEY RUN ROAD RIGHT-OF-WAY 0.336 Ac. 2.48%



Reviewed for HOWARD COUNTY
Name: *John P. Reuter*
and meets Technical Requirements
of HOWARD COUNTY
U.S. Surveyors Service

John P. Reuter 6/16/93
APPROVED

Forest Conservation Note: The area of existing tree cover to be cleared by this plan is ± 600 S.F. and is subject to a declaration of intent and Single Lot Exemption to the Howard County Forest Conservation Program.



DEVELOPER'S CERTIFICATE

I hereby certify that all development and construction will be done in accordance with the plan of subdivision and plat for record and that all easements and other interests in the subdivision are shown and that all other requirements of the subdivision laws of the State of Maryland are being complied with. This certificate is given in full compliance with the requirements of the subdivision laws of the State of Maryland.

Signature: *J.P. Reuter* Date: 5-5-93

THE PURPOSE OF THIS PLAN IS TO ADD AN ENTRANCE INTO THE EXISTING CSX AUTO DISTRIBUTION CENTER OFF OF DORSEY RUN ROAD. SHEETS 14 AND 15 OF 15 ARE SUPPLEMENTAL SHEETS TO SDP-89-178.

SHEET INDEX

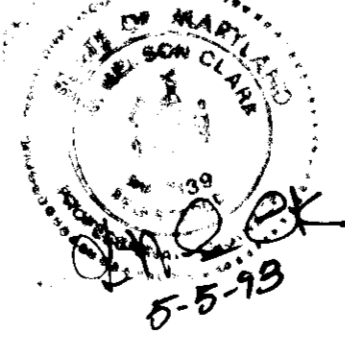
SHEET 1 - Site Development Plan
SHEET 2 - Sediment and Erosion Control Details

SUBDIVISION NAME	SECTION/AREA	LOTS/PARCELS
CSX AUTO DISTRIBUTION CENTER	N 1	126
PLAT NO.	BLOCK NO.	ZONE
LIBER 1122	8,9,14&15	M-2
FOLIO 363		
WATER CODE		SEWER CODE
B 02		V/A

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
John P. Reuter 6-25-93
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Richard Blood 6/22/93
PLANNING DIRECTOR DATE
Richard Blood 6/25/93
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John P. Reuter 6-18-93
DIRECTOR DATE
John P. Reuter 6-18-93
CHIEF BUREAU OF ENGINEERING DATE



OWNER:
STATE OF MARYLAND DEPARTMENT OF PUBLIC SAFETY AND CORRECTIONAL SERVICES
6776 Reisterstown Road
Baltimore, MD. 21215

DEVELOPER:
CSX TRANSPORTATION
100 North Charles Street
Baltimore, MD. 21201

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS		SCALE As Shown
DESIGNED DAB	REVISED SITE DEVELOPMENT PLAN ENTRANCE PLAN	DRAWING 14 OF 15
DRAWN LAI	CSX AUTO DISTRIBUTION CENTER TAX MAP 48 PARCEL 12G	JOB NO. 93-020
CHECKED DAB	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	FILE NO. 93-020-D
DATE 3/93	FOR: TRANSDVELOPMENT 4751 Best Road Suite 170 Atlanta, Georgia 30337	

SDP-89-178

SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (592-2437).
 - All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
 - All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 - All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 - SITE ANALYSIS:
 Total Area of Site: 1.250 C.Y.
 Area Disturbed: 1.250 C.Y.
 Area to be vegetatively stabilized: 1.250 C.Y.
 Total Cut: 1.250 C.Y.
 Total Fill: 25 C.Y.
 Offsite Waste/Borrow Area Location: *
 Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
 On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
 If houses are to be constructed on an "as sold" basis, at random, Single Family Sediment Control, as shown below shall be implemented.
 All pipes to be blocked at the end of each day (see detail in this sheet).
 The total amount of silt fence = 1.250 C.Y.
- * it is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:
 1) Preferred—Apply 2 tons per acre dolomitic limestone (92 lbs./100 sq ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq ft.) before seeding.
 Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq ft.)

2) Acceptable—Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq ft.) before seeding.
 Harrow or disc into upper three inches of soil.

SEEDING: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60lbs per acre (14 lbs./1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs./1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (8 gal./1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq ft) for anchoring.

MAINTENANCE: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

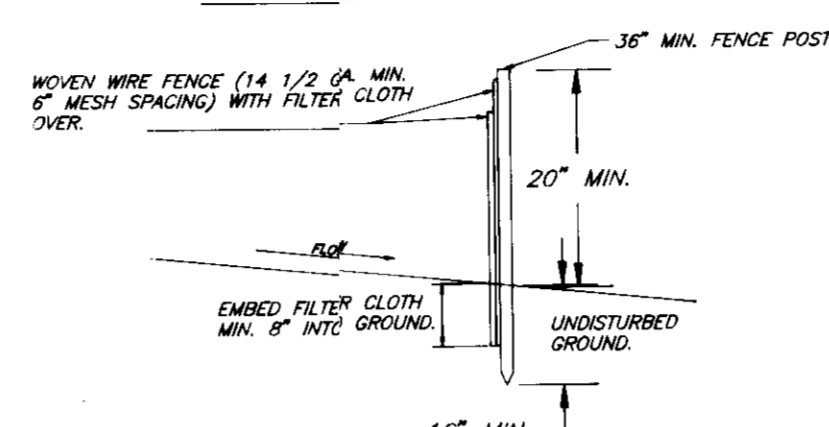
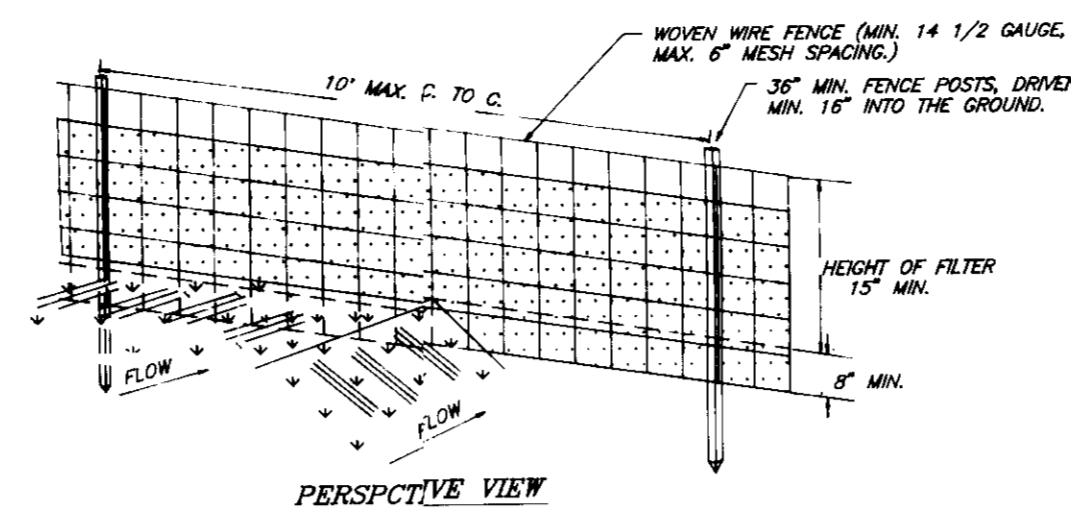
SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing, or other acceptable means before seeding, if not previously loosened.

SOIL AMENDMENTS: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq ft).

SEEDING: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (3.2 lbs./1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs./1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

MULCHING: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (8 gal./1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq ft) for anchoring.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



STANDARD SYMBOL: — S — S — S —
 CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

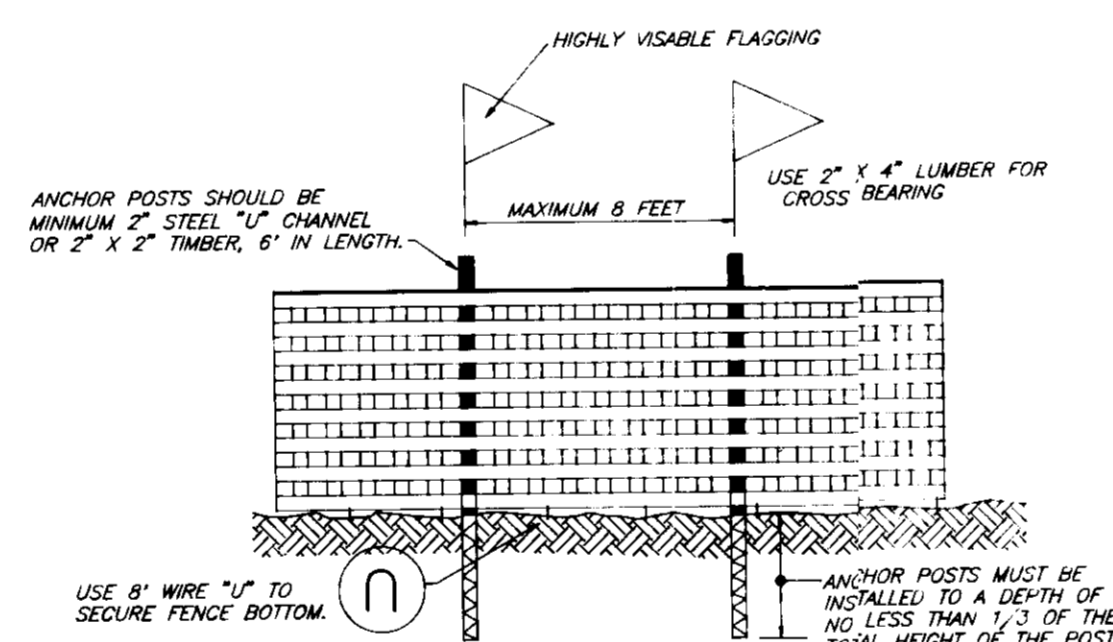
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BRILGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER 1" OR 1 1/2" TYPE OR 2" HARDWOOD.
 FENCE: WOVEN WIRE, 14 GA., 6" MAX. MESH OPENING.
 FILTER CLOTH: FILTER X, MIRA 1000, STABILINKA T140N, OR APPROVED EQUAL.
 PREFABRICATED UNIT: GEORL, ENVROFENCE, OR APPROVED EQUAL.

SILT FENCE (S)
 NO SCALE

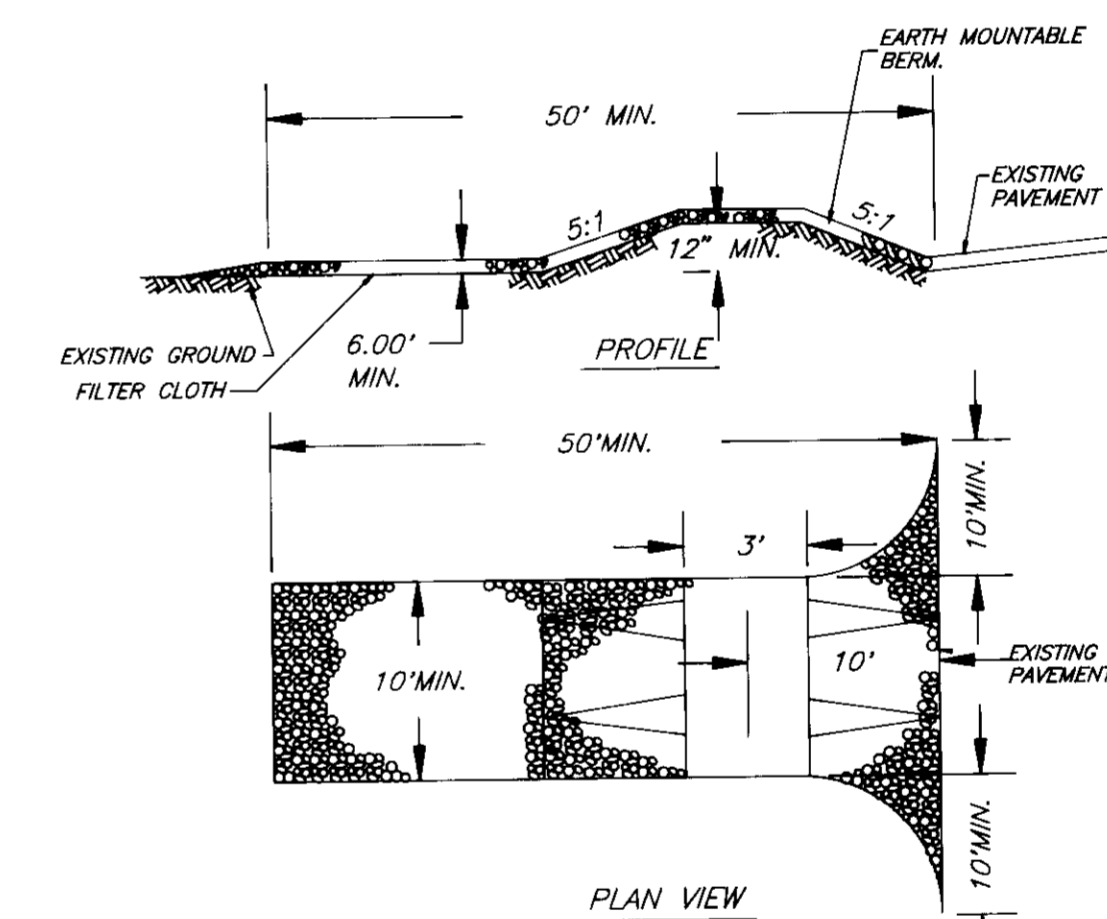
CONSTRUCTION SEQUENCE

- Install Tree Protector Fence where shown on plan.
- Obtain Grading Permit and install Sediment and Erosion Control Devices and stabilize.
- Excavate for foundations, rough grade and temporarily stabilize.
- Construct concrete walls, sidewalks, curb & gutter and paving.
- Final grade and stabilize in accordance with Standards and Specifications.
- Upon approval of the Sediment Control Inspector, remove sediment and erosion control devices and stabilize.



- NOTES:
- Forest protection device only.
 - Retention area will be set as part of the review process.
 - Boundaries of retention area should be staked and flagged prior to installing device.
 - Root damage should be avoided.
 - Protection signage may also be used.
 - Device should be maintained throughout construction.

BLAZE ORANGE PLASTIC MESH TYPICAL TREE PROTECTION FENCE DETAIL
 NO SCALE



STABILIZED CONSTRUCTION ENTRANCE (SCE)
 NO SCALE

STANDARD SYMBOL: [Symbol]

CONSTRUCTION SPECIFICATIONS

- STONE SIZE: USE 2" STONE OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH: AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS: NOT LESS THAN SIX (6) INCHES.
- WIDTH: TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH: WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE.
- SURFACE WATER: ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE REQUIRED.
- MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING: WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINFALL.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] 6-21-93
 DATE: 6-21-93

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: [Signature] 6-29-93
 DATE: 6-29-93

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] 6-21-93
 DATE: 6-18-93

CHIEF BUREAU OF ENGINEERING

Reviewed for HOWARD S.C.D. Name: [Signature] and meets Technical Requirements Date: 6/18/93
 Signature: [Signature] Date: 6/18/93
 US Soil Conservation Service

DEVELOPER'S/BUILDER'S CERTIFICATE

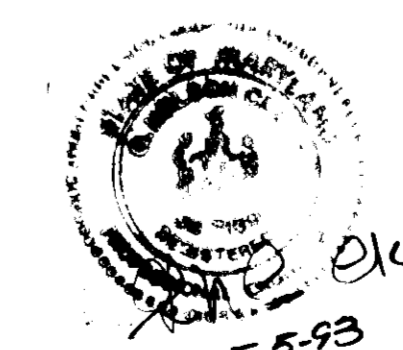
"I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Signature: [Signature] Date: [Date]

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Signature: [Signature] Date: 5-5-93



CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 • BALTO • (301) 621-8100 • WASH

DESIGNED DAB	REVISED SITE DEVELOPMENT PLAN ENTRANCE PLAN	SCALE As Shown
DRAWN DAB LAI	CSX AUTO DISTRIBUTION CENTER TAX MAP 48 PARCEL 12G	DRAWING 15 OF 15
CHECKED DAB	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 93-020
DATE 4-16-93	FOR: TRANSEVELOPMENT 4751 Best Road Suite 70 Atlanta, Georgia 30337	FILE NO. 93-020-D

SDP-89-178